disorders related to the secreted proteins. The proteins, and polynucleotide sequences may be useful for treating disorders of the immune system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that bind to the proteins. The proteins or polynucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051 and AAB08890 are sequences used in the exemplification of the present invention

Sequence 327 AA;

Query Match 99.6%; Score 1692; DB 3; Length 327;
Best Local Similarity 99.7%; Pred. No. 7.4e-114;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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y         1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
b         1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

y        61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
b        61 FVQPGKPISESHPILYFYNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

y       121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
b       121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

y       181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
b       181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240

y       241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
b       241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

y       301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
Db      301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 2
AAY87251
ID AAY87251 standard; protein; 327 AA.
XX
AC AAY87251;
XX
DT 11-MAY-2000 (first entry)
XX
DE Human signal peptide containing protein HSPP-28 SEQ ID NO:28.
XX
KW Human; signal peptide-containing protein; HSPP; diagnosis; cancer;
KW inflammation; cardiovascular disease; anticancer; anti-inflammatory;
KW antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic;
KW antiasthmatic; gene therapy; cell proliferation; neurological disorder;
KW reproductive disorder; developmental disorder; arteriosclerosis;
KW cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;
KW asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;
KW Parkinson's disease; Huntington's diseases; ovulatory defect;
KW muscular dystrophy.
XX
OS Homo sapiens.
XX
PN WO200000610-A2.
XX
PD 06-JAN-2000.
XX
PF 25-JUN-1999; 99WO-US014484.
XX
PR 26-JUN-1998; 98US-0090762P.
PR 31-JUL-1998; 98US-0094983P.
PR 01-OCT-1998; 98US-0102686P.
PR 11-DEC-1998; 98US-0112129P.
XX
PA (INCY-) INCYTE PHARM INC.
XX
PI Lal P, Tang YT, Gorgone GA, Corley NC, Guegler KJ, Baughn MR;
PI Akerblom IE, Au-Young J, Yue H, Patterson C, Reddy R, Hillman JL;
PI Bandman O;
XX
DR WPI; 2000-160673/14.
DR N-PSDB; AAZ98136.
XX
PT New human signal peptide-containing proteins useful in treatment,
PT prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
PT disease.
XX
PS Claim 1; Page 177-178; 327pp; English.
XX
CC AAZ98109 to AAZ98242 encode AAY87224 to AAY87357 which represent the
CC human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have
CC anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic,
CC neuroprotective, cardiovascular and antiasthmatic activities, and can be
CC used in gene therapy. HSPPs can be used to treat or prevent disorders
CC associated with decreased activity or function of HSPP. Antagonists of
CC HSPP are used to treat or prevent disorders associated with increased
CC activity or function of HSPP. Such diseases include cell proliferation
CC (including cancer), inflammation, cardiovascular, neurological,
CC reproductive or developmental disorders, (e.g. arteriosclerosis,
CC cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia,
CC asthma, Crohn's disease, microbial or other infections, congestive or
CC ischaemic heart disease, Alzheimer's, Parkinson's or Huntington's
CC diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP
CC nucleic acids can be used for the recombinant production of HSPP, for
CC detecting HSPP in standard hybridisation and amplification assays (for
CC diagnosis and monitoring), in gene therapy, as antisense, triplex-forming
CC or ribozyme therapeutics, for detecting related sequences or genetic
CC variations, and for chromosomal mapping. HSPP are also used to raise
CC specific antibodies (Ab) and to screen for agonists and antagonists
CC (potential therapeutic agents). Ab are used to diagnose, or monitor, HSPP
CC -related diseases (in usual immunoassays), as therapeutic antagonists, in
CC competitive drug screens, and for purification of HSPP from natural
CC sources
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1691; DB 3; Length 327;
Best Local Similarity 99.7%; Pred. No. 8.8e-114;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
Db        241 RVAGALIGVLLGVLLLSVAAPCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
```

```
DT   25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE   V-set and immunoglobulin domain containing 2 (CTH Variant).
GN   Name=VSIG2; ORFNames=UNQ2770;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Colon;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Colon;
RA   Director MGC Project;
RL   Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
RN   [3]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
RA   Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,
RA   Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
RA   Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,
RA   Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,
RA   Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J.,
RA   Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,
RA   Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.H., Yansura D.,
RA   Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,
RA   Godowski P.;
RT   "The secreted protein discovery initiative (SPDI), a large-scale
RT   effort to identify novel human secreted and transmembrane proteins: a
RT   bioinformatics assessment.";
RL   Genome Res. 13:2265-2270(2003).
DR   EMBL; BC007313; AAH07313.1; -.
DR   EMBL; AY358897; AAQ89256.1; -.
DR   HSSP; O88792; 1F97.
DR   GO; GO:0004872; F:receptor activity; IEA.
DR   InterPro; IPR007110; Ig-like.
DR   Pfam; PF00047; ig; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   327 AA;  34348 MW;  CF395AC7EF951AC1 CRC64;

  Query Match           99.2%;  Score 1155;  DB 2;  Length 327;
  Best Local Similarity  100.0%;  Pred. No. 2.1e-83;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              |||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 3
O95791
ID   O95791      PRELIMINARY;      PRT;   325 AA.
AC   O95791;
DT   01-MAY-1999 (TrEMBLrel. 10, Created)
DT   01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   CTH.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=99077161; PubMed=9862345;
RX   DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
RA   Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K.,
RA   White S.J., Du Pasquier L.;
RT   "CTX, a Xenopus thymocyte receptor, defines a molecular family
RT   conserved throughout vertebrates.";
RL   Eur. J. Immunol. 28:4094-4104(1998).
DR   EMBL; AF061022; AAD17522.1; -.
DR   HSSP; O88792; 1F97.
DR   GO; GO:0005887; C:integral to plasma membrane; TAS.
DR   GO; GO:0005624; C:membrane fraction; TAS.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   325 AA;  34239 MW;  B7B5B664CBCFF4BE CRC64;

  Query Match           98.4%;  Score 1145;  DB 2;  Length 325;
  Best Local Similarity  99.1%;  Pred. No. 1.3e-82;
  Matches  217;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||:|||||||||||||||||||||||||||||||
Db         23 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDTFALEWSFVQPGKPISESHPILYFTNGHLY 82

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         83 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 142

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        143 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 202

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRV 219
              |||||||||||||||||:|||||||||||||||||||||
Db        203 LTNLSLTSSGTYRCVATNQLGSASCELTLSVTEPSQGRV 241


RESULT 4
Q9CVA4
ID   Q9CVA4      PRELIMINARY;      PRT;   304 AA.
AC   Q9CVA4;
DT   01-JUN-2001 (TrEMBLrel. 17, Created)
DT   01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Mus musculus adult male stomach cDNA, RIKEN full-length enriched
DE   library, clone:2210413P10 product:CTM homolog (Fragment).
GN   Name=2210413P10Rik;
OS   Mus musculus (Mouse).
```

```
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db            1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy           61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db           61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy          121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy          181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy          241 RVAEL 245
                |||||
Db          241 RVAEL 245
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RESULT 5
US-10-227-884-236
; Sequence 236, Application US/10227884
; Publication No. US20030027988A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C79
; CURRENT APPLICATION NUMBER: US/10/227,884
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
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; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
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; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
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; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090691
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/095302
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095318
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095916
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/096146
; PRIOR FILING DATE: 1998-08-11
; PRIOR APPLICATION NUMBER: 60/096791
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/097986
; PRIOR FILING DATE: 1998-08-26
; PRIOR APPLICATION NUMBER: 60/098544
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099803
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099811
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
; PRIOR FILING DATE: 1998-09-10
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; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/100385
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100390
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100627
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100848
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/100919
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; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101738
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101741
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101786
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: 60/101916
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101922
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/106178
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; PRIOR APPLICATION NUMBER: 60/106248
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: 60/106464

; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/106905
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: 60/108787
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108801
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108849
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 60/112422
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113296
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
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; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
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; PRIOR FILING DATE: 1999-04-28
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; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.3%; Score 1277; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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Qy        241 RVA 243
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RESULT 6
US-10-230-163-236
; Sequence 236, Application US/10230163
; Publication No. US20030036635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C96
; CURRENT APPLICATION NUMBER: US/10/230,163
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: August 4, 2005, 06:13:42 ; Search time 66.0997 Seconds
(without alignments)
1447.018 Million cell updates/sec

Title: US-10-607-565-83_COPY_1_245
Perfect score: 1286
Sequence: 1 MAELPGPFLCGALLGFLCLS.....ASCELTLSVTEPSQGRVAEL 245

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1752860 seqs, 390397842 residues

Total number of hits satisfying chosen parameters: 1752860

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1286	100.0	245	9	US-09-820-893-98	Sequence 98, Appl
2	1286	100.0	245	15	US-10-607-565-98	Sequence 98, Appl
3	1286	100.0	246	9	US-09-820-893-83	Sequence 83, Appl
4	1286	100.0	246	15	US-10-607-565-83	Sequence 83, Appl
5	1277	99.3	327	14	US-10-227-884-236	Sequence 236, App
6	1277	99.3	327	14	US-10-230-163-236	Sequence 236, App
7	1277	99.3	327	14	US-10-230-338-236	Sequence 236, App
8	1277	99.3	327	14	US-10-218-631-236	Sequence 236, App
9	1277	99.3	327	14	US-10-230-414-236	Sequence 236, App
10	1277	99.3	327	14	US-10-232-224-236	Sequence 236, App
11	1277	99.3	327	14	US-10-216-159A-236	Sequence 236, App
12	1277	99.3	327	14	US-10-218-849-236	Sequence 236, App
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14	1277	99.3	327	14	US-10-227-883-236	Sequence 236, App
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17	1277	99.3	327	14	US-10-219-003-236	Sequence 236, App
18	1277	99.3	327	14	US-10-219-075-236	Sequence 236, App
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34	1277	99.3	327	14	US-10-219-474-236	Sequence 236, App
35	1277	99.3	327	14	US-10-219-524-236	Sequence 236, App
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43	1277	99.3	327	14	US-10-232-227-236	Sequence 236, App
44	1277	99.3	327	14	US-10-232-229-236	Sequence 236, App
45	1277	99.3	327	14	US-10-232-234-236	Sequence 236, App

ALIGNMENTS

RESULT 1
US-09-820-893-98
; Sequence 98, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 31 Human Secreted Proteins
; FILE REFERENCE: PZ033P1
; CURRENT APPLICATION NUMBER: US/09/820,893
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/531,119
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: 60/102,895
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-820-893-98

Query Match 100.0%; Score 1286; DB 9; Length 245;
Best Local Similarity 100.0%; Pred. No. 1.1e-96;
Matches 245; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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Qy        241 RVAEL 245
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Db        241 RVAEL 245


RESULT 2
US-10-607-565-98
; Sequence 98, Application US/10607565
; Publication No. US20040048294A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 31 Human Secreted Proteins
;  FILE REFERENCE: PZ033P1
;  CURRENT APPLICATION NUMBER: US/10/607,565
;  CURRENT FILING DATE:  2003-06-27
;  PRIOR APPLICATION NUMBER: US/09/531,119
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/101,546
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/102,895
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
;   LENGTH: 245
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-607-565-98

  Query Match             100.0%;  Score 1286;  DB 15;  Length 245;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-96;
  Matches  245;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy        241 RVAEL 245
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Db        241 RVAEL 245


RESULT 3
US-09-820-893-83
; Sequence 83, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 31 Human Secreted Proteins
;  FILE REFERENCE: PZ033P1
;  CURRENT APPLICATION NUMBER: US/09/820,893
;  CURRENT FILING DATE:  2001-03-30
;  PRIOR APPLICATION NUMBER: 09/531,119
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: 60/102,895
;  PRIOR FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 83
;   LENGTH: 246
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (246)
;   OTHER INFORMATION: Xaa equals stop translation
US-09-820-893-83

  Query Match             100.0%;  Score 1286;  DB 9;  Length 246;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-96;
  Matches  245;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

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Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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Qy        241 RVAEL 245
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Db        241 RVAEL 245


RESULT 4
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; Sequence 83, Application US/10607565
; Publication No. US20040048294A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 31 Human Secreted Proteins
;  FILE REFERENCE: PZ033P1
;  CURRENT APPLICATION NUMBER: US/10/607,565
;  CURRENT FILING DATE:  2003-06-27
;  PRIOR APPLICATION NUMBER: US/09/531,119
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/101,546
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/102,895
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 83
;   LENGTH: 246
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (246)
;   OTHER INFORMATION: Xaa equals stop translation
US-10-607-565-83

  Query Match             100.0%;  Score 1286;  DB 15;  Length 246;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-96;
  Matches  245;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
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Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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Qy        241 RVAEL 245
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Db        241 RVAEL 245
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RESULT 5
US-10-227-884-236
; Sequence 236, Application US/10227884
; Publication No. US20030027988A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C79
; CURRENT APPLICATION NUMBER: US/10/227,884
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089905
; PRIOR FILING DATE: 1998-06-18
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; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/095302
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095318
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095916
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/096146
; PRIOR FILING DATE: 1998-08-11
; PRIOR APPLICATION NUMBER: 60/096791
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/097986
; PRIOR FILING DATE: 1998-08-26
; PRIOR APPLICATION NUMBER: 60/098544
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099803
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; PRIOR APPLICATION NUMBER: 60/099811
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099816
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/100038
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/100385
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100390
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; PRIOR APPLICATION NUMBER: 60/100627
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100848
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/100919
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/101477
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101738
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101741
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; PRIOR APPLICATION NUMBER: 60/101786
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: 60/101916
; PRIOR FILING DATE: 1998-09-24
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; PRIOR APPLICATION NUMBER: 60/106178
; PRIOR FILING DATE: 1998-10-28
; PRIOR APPLICATION NUMBER: 60/106248
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: 60/106464

; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/106905
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: 60/108787
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; PRIOR FILING DATE: 1998-11-17
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; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 60/112422
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; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.3%; Score 1277; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
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RESULT 6
US-10-230-163-236
; Sequence 236, Application US/10230163
; Publication No. US20030036635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C96
; CURRENT APPLICATION NUMBER: US/10/230,163
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955

; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082804
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; PRIOR APPLICATION NUMBER: 60/091982
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; PRIOR APPLICATION NUMBER: 60/095318
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; PRIOR APPLICATION NUMBER: 60/146963
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; PRIOR APPLICATION NUMBER: 60/149320
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; PRIOR APPLICATION NUMBER: 60/149638

; PRIOR FILING DATE: 1999-08-17
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; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.3%; Score 1277; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MAELPGPPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
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Db          1 MAELPGPPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
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Db        241 RVA 243
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RESULT 7
US-10-230-338-236
; Sequence 236, Application US/10230338
; Publication No. US20030044934A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C92
; CURRENT APPLICATION NUMBER: US/10/230,338
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-236

Query Match 99.3%; Score 1277; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MAELPGPPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
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Db        241 RVA 243
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RESULT 8
US-10-218-631-236
; Sequence 236, Application US/10218631
; Publication No. US20030045687A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C14
; CURRENT APPLICATION NUMBER: US/10/218,631
; CURRENT FILING DATE: 2002-08-12
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-218-631-236

Query Match 99.3%; Score 1277; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
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RESULT 9
US-10-230-414-236
; Sequence 236, Application US/10230414
; Publication No. US20030050448A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C98
; CURRENT APPLICATION NUMBER: US/10/230,414
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-414-236

Query Match 99.3%; Score 1277; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
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RESULT 10
US-10-232-224-236
; Sequence 236, Application US/10232224
; Publication No. US20030065147A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C111
; CURRENT APPLICATION NUMBER: US/10/232,224
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873

```
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-232-224-236

  Query Match             99.3%;  Score 1277;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 11
US-10-216-159A-236
; Sequence 236, Application US/10216159A
; Publication No. US20030069397A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C6
;  CURRENT APPLICATION NUMBER: US/10/216,159A
;  CURRENT FILING DATE:  2002-08-09
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-216-159A-236

  Query Match             99.3%;  Score 1277;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 12
US-10-218-849-236
; Sequence 236, Application US/10218849
; Publication No. US20030073814A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C11
;  CURRENT APPLICATION NUMBER: US/10/218,849
;  CURRENT FILING DATE:  2002-08-12
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-218-849-236

  Query Match             99.3%;  Score 1277;  DB 14;  Length 327;
```

```
  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 13
US-10-227-873-236
; Sequence 236, Application US/10227873
; Publication No. US20030073816A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C72
;  CURRENT APPLICATION NUMBER: US/10/227,873
;  CURRENT FILING DATE:  2002-08-26
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  PRIOR APPLICATION NUMBER: 60/081819
;  PRIOR FILING DATE: 1998-04-15
;  PRIOR APPLICATION NUMBER: 60/081955
;  PRIOR FILING DATE: 1998-04-15
;  PRIOR APPLICATION NUMBER: 60/082804
;  PRIOR FILING DATE: 1998-04-22
;  PRIOR APPLICATION NUMBER: 60/084441
;  PRIOR FILING DATE: 1998-05-06
;  PRIOR APPLICATION NUMBER: 60/085323
;  PRIOR FILING DATE: 1998-05-13
;  PRIOR APPLICATION NUMBER: 60/085579
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/086392
;  PRIOR FILING DATE: 1998-05-22
;  PRIOR APPLICATION NUMBER: 60/089532
;  PRIOR FILING DATE: 1998-06-17
;  PRIOR APPLICATION NUMBER: 60/089538
;  PRIOR FILING DATE: 1998-06-17
;  PRIOR APPLICATION NUMBER: 60/089905
;  PRIOR FILING DATE: 1998-06-18
;  PRIOR APPLICATION NUMBER: 60/090472
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090557
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090691
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/090695
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/095302
;  PRIOR FILING DATE: 1998-08-04
;  PRIOR APPLICATION NUMBER: 60/095318
;  PRIOR FILING DATE: 1998-08-04
;  PRIOR APPLICATION NUMBER: 60/095916
;  PRIOR FILING DATE: 1998-08-10
;  PRIOR APPLICATION NUMBER: 60/096146
;  PRIOR FILING DATE: 1998-08-11
;  PRIOR APPLICATION NUMBER: 60/096791
;  PRIOR FILING DATE: 1998-08-17
;  PRIOR APPLICATION NUMBER: 60/097986
;  PRIOR FILING DATE: 1998-08-26
;  PRIOR APPLICATION NUMBER: 60/098544
;  PRIOR FILING DATE: 1998-08-31
;  PRIOR APPLICATION NUMBER: 60/099596
;  PRIOR FILING DATE: 1998-09-09
;  PRIOR APPLICATION NUMBER: 60/099598
;  PRIOR FILING DATE: 1998-09-09
;  PRIOR APPLICATION NUMBER: 60/099803
;  PRIOR FILING DATE: 1998-09-10
;  PRIOR APPLICATION NUMBER: 60/099811
;  PRIOR FILING DATE: 1998-09-10
;  PRIOR APPLICATION NUMBER: 60/099812
;  PRIOR FILING DATE: 1998-09-10
;  PRIOR APPLICATION NUMBER: 60/099816
;  PRIOR FILING DATE: 1998-09-10
;  PRIOR APPLICATION NUMBER: 60/100038
;  PRIOR FILING DATE: 1998-09-11
;  PRIOR APPLICATION NUMBER: 60/100385
;  PRIOR FILING DATE: 1998-09-15
;  PRIOR APPLICATION NUMBER: 60/100390
;  PRIOR FILING DATE: 1998-09-15
;  PRIOR APPLICATION NUMBER: 60/100627
;  PRIOR FILING DATE: 1998-09-16
;  PRIOR APPLICATION NUMBER: 60/100848
;  PRIOR FILING DATE: 1998-09-18
;  PRIOR APPLICATION NUMBER: 60/100919
;  PRIOR FILING DATE: 1998-09-17
;  PRIOR APPLICATION NUMBER: 60/101477
;  PRIOR FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: 60/101738
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101741
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101786
;  PRIOR FILING DATE: 1998-09-25
;  PRIOR APPLICATION NUMBER: 60/101916
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101922
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/106178
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; PRIOR FILING DATE: 1998-10-28
; PRIOR APPLICATION NUMBER: 60/106248
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: 60/106464
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/106905
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: 60/108787
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108801
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108849
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 60/112422
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113296
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.3%; Score 1277; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
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RESULT 14
US-10-227-883-236
; Sequence 236, Application US/10227883
; Publication No. US20030073817A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C78
; CURRENT APPLICATION NUMBER: US/10/227,883
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728

; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089905
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090691
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/095302
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095318
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095916
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/096146
; PRIOR FILING DATE: 1998-08-11
; PRIOR APPLICATION NUMBER: 60/096791
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/097986
; PRIOR FILING DATE: 1998-08-26
; PRIOR APPLICATION NUMBER: 60/098544
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099803
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099811
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099816
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/100038
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/100385
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100390
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100627
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100848
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/100919
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/101477
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101738
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101741
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101786
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: 60/101916
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101922
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/106178
; PRIOR FILING DATE: 1998-10-28
; PRIOR APPLICATION NUMBER: 60/106248
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: 60/106464
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/106905
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: 60/108787
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108801
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108849
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 60/112422
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113296
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963

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;  PRIOR FILING DATE: 1999-08-03
;  PRIOR APPLICATION NUMBER: 60/149320
;  PRIOR FILING DATE: 1999-08-17
;  PRIOR APPLICATION NUMBER: 60/149638
;  PRIOR FILING DATE: 1999-08-17
;  PRIOR APPLICATION NUMBER: 60/151733
;  PRIOR FILING DATE: 1999-08-31
;  PRIOR APPLICATION NUMBER: 60/164418
;  PRIOR FILING DATE: 1999-11-09
;  PRIOR APPLICATION NUMBER: 60/166361
;  PRIOR FILING DATE: 1999-11-16
;  PRIOR APPLICATION NUMBER: 60/169445
;  PRIOR FILING DATE: 1999-12-07
;  PRIOR APPLICATION NUMBER: 60/169495
;  PRIOR FILING DATE: 1999-12-07
;  PRIOR APPLICATION NUMBER: 60/169835

  Query Match             99.3%;  Score 1277;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
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Db        241 RVA 243


RESULT 15
US-10-219-076-236
; Sequence 236, Application US/10219076
; Publication No. US20030078379A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C62
;  CURRENT APPLICATION NUMBER: US/10/219,076
;  CURRENT FILING DATE:  2002-08-14
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-219-076-236

  Query Match             99.3%;  Score 1277;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


Search completed: August  4, 2005, 06:47:29
Job time : 67.0997 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: August 4, 2005, 05:56:06 ; Search time 61.3592 Seconds
(without alignments)
1852.722 Million cell updates/sec

Title: US-10-607-565-83_COPY_24_245
Perfect score: 1164
Sequence: 1 VEVKVPTEPLSTPLGKTAEL.....ASCELTLSVTEPSQGRVAEL 222

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1612378 seqs, 512079187 residues

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : UniProt_03:*
1: uniprot_sprot:*
2: uniprot_trembl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1155	99.2	284	2	Q9NX42	Q9nx42 homo sapien
2	1155	99.2	327	2	Q96IQ7	Q96iq7 homo sapien
3	1145	98.4	325	2	O95791	O95791 homo sapien
4	982	84.4	304	2	Q9CVA4	Q9cva4 mus musculu
5	960	82.5	328	2	Q9Z109	Q9z109 mus musculu
6	656	56.4	248	2	Q9D0T4	Q9d0t4 mus musculu
7	352	30.2	259	2	Q7Z2Q1	Q7z2q1 homo sapien
8	352	30.2	387	2	Q86XK7	Q86xk7 homo sapien
9	352	30.2	412	2	Q6MZS4	Q6mzs4 homo sapien
10	332.5	28.6	407	2	Q9D2J4	Q9d2j4 mus musculu
11	329.5	28.3	430	2	Q8N4F1	Q8n4f1 homo sapien
12	316	27.1	318	2	Q91664	Q91664 xenopus lae
13	311.5	26.8	335	2	Q9PWR4	Q9pwr4 gallus gall
14	311.5	26.8	335	2	Q9YGH1	Q9ygh1 gallus gall
15	303.5	26.1	335	2	Q9YGV5	Q9ygv5 gallus gall
16	299	25.7	432	2	Q6DDE7	Q6dde7 xenopus lae
17	289.5	24.9	323	2	Q8NDD2	Q8ndd2 homo sapien
18	286.5	24.6	181	2	Q91665	Q91665 xenopus lae
19	281	24.1	319	1	A33_HUMAN	Q99795 homo sapien
20	269.5	23.2	300	2	Q9D9J0	Q9d9j0 mus musculu
21	267.5	23.0	372	2	Q90Y50	Q90y50 brachydanio
22	266.5	22.9	300	2	Q9DA22	Q9da22 mus musculu
23	264.5	22.7	332	2	Q6P359	Q6p359 xenopus tro
24	264	22.7	319	1	A33_MOUSE	Q9jka5 mus musculu
25	261.5	22.5	406	2	Q8N7T8	Q8n7t8 homo sapien
26	260.5	22.4	442	2	Q6NW88	Q6nw88 brachydanio
27	254.5	21.9	319	2	Q9TU80	Q9tu80 canis famil
28	249.5	21.4	394	2	Q925F2	Q925f2 mus musculu
29	248.5	21.3	352	2	Q91W66	Q91w66 mus musculu
30	248.5	21.3	365	1	CXAR_MOUSE	P97792 mus musculu
31	248.5	21.3	365	2	Q9DBJ8	Q9dbj8 mus musculu
32	243.5	20.9	394	2	Q6AYD4	Q6ayd4 rattus norv
33	240.5	20.7	344	2	Q9R067	Q9r067 rattus norv
34	240.5	20.7	358	2	Q9R066	Q9r066 rattus norv
35	237	20.4	298	2	Q804R4	Q804r4 brachydanio
36	236.5	20.3	344	2	Q9UKV4	Q9ukv4 homo sapien
37	236.5	20.3	365	1	CXAR_HUMAN	P78310 homo sapien
38	233.5	20.1	319	2	Q9TU79	Q9tu79 sus scrofa
39	233.5	20.1	365	2	Q8WMV3	Q8wmv3 bos taurus
40	229.5	19.7	390	2	Q95KI3	Q95ki3 macaca fasc
41	225.5	19.4	373	2	Q8R373	Q8r373 mus musculu
42	224.5	19.3	372	2	Q8K1G0	Q8k1g0 rattus norv
43	224.5	19.3	373	2	Q9H6B4	Q9h6b4 homo sapien
44	221.5	19.0	373	2	Q920S5	Q920s5 mus musculu
45	221	19.0	332	2	Q640U3	Q640u3 xenopus tro

ALIGNMENTS

RESULT 1
Q9NX42
ID Q9NX42 PRELIMINARY; PRT; 284 AA.
AC Q9NX42;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Hypothetical protein FLJ20453.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Watanabe K., Kumagai A., Itakura S., Yamazaki M., Tashiro H., Ota T.,
RA Suzuki Y., Obayashi M., Nishi T., Shibahara T., Tanaka T.,
RA Nakamura Y., Isogai T., Sugano S.;
RL Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AK000460; BAA91179.1; -.
DR HSSP; O88792; 1F97.
DR InterPro; IPR007110; Ig-like.
DR InterPro; IPR003598; Ig_c2.
DR Pfam; PF00047; ig; 1.
DR SMART; SM00408; IGc2; 1.
DR PROSITE; PS50835; IG_LIKE; 2.
SQ SEQUENCE 284 AA; 29829 MW; 1F9E09C60856B9A9 CRC64;

Query Match 99.2%; Score 1155; DB 2; Length 284;
Best Local Similarity 100.0%; Pred. No. 1.8e-83;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
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Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
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RESULT 2
Q96IQ7
ID Q96IQ7 PRELIMINARY; PRT; 327 AA.
AC Q96IQ7;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)

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DT   25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE   V-set and immunoglobulin domain containing 2 (CTH Variant).
GN   Name=VSIG2; ORFNames=UNQ2770;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Colon;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Colon;
RA   Director MGC Project;
RL   Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
RN   [3]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
RA   Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,
RA   Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
RA   Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,
RA   Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,
RA   Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J.,
RA   Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,
RA   Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.H., Yansura D.,
RA   Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,
RA   Godowski P.;
RT   "The secreted protein discovery initiative (SPDI), a large-scale
RT   effort to identify novel human secreted and transmembrane proteins: a
RT   bioinformatics assessment.";
RL   Genome Res. 13:2265-2270(2003).
DR   EMBL; BC007313; AAH07313.1; -.
DR   EMBL; AY358897; AAQ89256.1; -.
DR   HSSP; O88792; 1F97.
DR   GO; GO:0004872; F:receptor activity; IEA.
DR   InterPro; IPR007110; Ig-like.
DR   Pfam; PF00047; ig; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   327 AA;  34348 MW;  CF395AC7EF951AC1 CRC64;

  Query Match            99.2%;  Score 1155;  DB 2;  Length 327;
  Best Local Similarity  100.0%;  Pred. No. 2.1e-83;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              |||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 3
O95791
ID   O95791      PRELIMINARY;      PRT;   325 AA.
AC   O95791;
DT   01-MAY-1999 (TrEMBLrel. 10, Created)
DT   01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   CTH.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=99077161; PubMed=9862345;
RX   DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
RA   Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K.,
RA   White S.J., Du Pasquier L.;
RT   "CTX, a Xenopus thymocyte receptor, defines a molecular family
RT   conserved throughout vertebrates.";
RL   Eur. J. Immunol. 28:4094-4104(1998).
DR   EMBL; AF061022; AAD17522.1; -.
DR   HSSP; O88792; 1F97.
DR   GO; GO:0005887; C:integral to plasma membrane; TAS.
DR   GO; GO:0005624; C:membrane fraction; TAS.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   325 AA;  34239 MW;  B7B5B664CBCFF4BE CRC64;

  Query Match            98.4%;  Score 1145;  DB 2;  Length 325;
  Best Local Similarity  99.1%;  Pred. No. 1.3e-82;
  Matches  217;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||:||||||||||||||||||||||||||||
Db         23 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDTFALEWSFVQPGKPISESHPILYFTNGHLY 82

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         83 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 142

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        143 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 202

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRV 219
              |||||||||||||||||:||||||||||||||||||
Db        203 LTNLSLTSSGTYRCVATNQLGSASCELTLSVTEPSQGRV 241


RESULT 4
Q9CVA4
ID   Q9CVA4      PRELIMINARY;      PRT;   304 AA.
AC   Q9CVA4;
DT   01-JUN-2001 (TrEMBLrel. 17, Created)
DT   01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Mus musculus adult male stomach cDNA, RIKEN full-length enriched
DE   library, clone:2210413P10 product:CTM homolog (Fragment).
GN   Name=2210413P10Rik;
OS   Mus musculus (Mouse).
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OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RX   MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
RA   Carninci P., Hayashizaki Y.;
RT   "High-efficiency full-length cDNA cloning.";
RL   Meth. Enzymol. 303:19-44(1999).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RX   MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RA   RIKEN FANTOM Consortium;
RT   "Functional annotation of a full-length mouse cDNA collection.";
RL   Nature 409:685-690(2001).
RN   [3]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RA   The FANTOM Consortium,
RA   the RIKEN Genome Exploration Research Group Phase I & II Team;
RT   "Analysis of the mouse transcriptome based on functional annotation of
RT   60,770 full-length cDNAs.";
RL   Nature 420:563-573(2002).
RN   [4]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RX   MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
RA   Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
RA   Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
RT   "Normalization and subtraction of cap-trapper-selected cDNAs to
RT   prepare full-length cDNA libraries for rapid discovery of new genes.";
RL   Genome Res. 10:1617-1630(2000).
RN   [5]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RX   MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
RA   Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
RA   Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
RA   Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
RA   Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
RA   Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
RA   Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
RA   Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
RT   "RIKEN integrated sequence analysis (RISA) system-384-format
RT   sequencing pipeline with 384 multicapillary sequencer.";
RL   Genome Res. 10:1757-1771(2000).
RN   [6]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RA   Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
RA   Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
RA   Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
RA   Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
RA   Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
RA   Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
RA   Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
RA   Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
RA   Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
RA   Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
RA   Muramatsu M., Hayashizaki Y.;
RL   Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AK008920; BAB25968.1; -.
DR   HSSP; O88792; 1F97.
DR   MGD; MGI:1928009; 2210413P10Rik.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003596; Ig_v.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
FT   NON_TER     304     304
SQ   SEQUENCE   304 AA;  31919 MW;  522BA38898AD7A9F CRC64;
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  Query Match             84.4%;  Score 982;  DB 2;  Length 304;
  Best Local Similarity   84.5%;  Pred. No. 9.5e-70;
  Matches  186;  Conservative   13;  Mismatches   21;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||| ||||||| | ||||||:|:| |||||:||||||||||||||| | |:|||||||||
Db         25 VEVTVPTEPLSVPKGKTAELSCSYKTSVGDNFALEWSFVQPGKPISASVPVLYFTNGHLY 84

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              |||||: |  || :||| |:||||||: ||||||||| ||||||||||||||||||||||
Db         85 PTGSKADRAILLHDPPTGGLATLKLTDLRPSDTGTYLCNVNNPPDFYTNGLGLINLTVLV 144

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              |||:||||||||||||| || | |||||||||||| |||: ||| ||||||||||||||
Db        145 PPSHPLCSQSGQTSVGGSAALGCRSSEGAPKPVYNWERLGSSPTPPPGSMVQDEVSGQLI 204

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              |||||||||||||||:|||||||||| |||||: |:||||
Db        205 LTNLSLTSSGTYRCVASNQMGSASCELNLSVTDSSEGRVA 244


RESULT 5
Q9Z109
ID   Q9Z109      PRELIMINARY;      PRT;   328 AA.
AC   Q9Z109;
DT   01-MAY-1999 (TrEMBLrel. 10, Created)
DT   01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   CTM.
GN   Name=2210413P10Rik;
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=99077161; PubMed=9862345;
RX   DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
RA   Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K.,
RA   White S.J., Du Pasquier L.;
RT   "CTX, a Xenopus thymocyte receptor, defines a molecular family
RT   conserved throughout vertebrates.";
RL   Eur. J. Immunol. 28:4094-4104(1998).
DR   EMBL; AF061024; AAD17524.1; -.
DR   HSSP; O88792; 1F97.
DR   MGD; MGI:1928009; 2210413P10Rik.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003006; Ig_MHC.
DR   InterPro; IPR003596; Ig_v.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
DR   PROSITE; PS00290; IG_MHC; UNKNOWN_1.
SQ   SEQUENCE   328 AA;  34258 MW;  0DA4C7BF7E221255 CRC64;

  Query Match             82.5%;  Score 960;  DB 2;  Length 328;
  Best Local Similarity   83.2%;  Pred. No. 5.7e-68;
  Matches  183;  Conservative   13;  Mismatches   24;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||| ||||||| | ||||||:|:| |||||:||||||||||||||| | |:|||||||||
Db         25 VEVTVPTEPLSVPKGKTAELSCSYKTSVGDNFALEWSFVQPGKPISASVPVLYFTNGHLY 84

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              |||||: |  || :||| |:||||||: ||||||||| ||||||||||||||||||||||
Db         85 PTGSKADRAILLHDPPTGGLATLKLTDLRPSDTGTYLCNVNNPPDFYTNGLGLINLTVLV 144

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              |||:||||||||| |||| || | |||||||||||| || : ||| ||||||||||||||
Db        145 PPSHPLCSQSGQTLVGGSAALGCRSSEGAPKPVYNWERLCSSPTPPPGSMVQDEVSGQLI 204

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
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                  ||||||||||||||||::|||||||||  ||||: | ||||
Db        205 LTNLSLTSSGTYRCVASHQMGSASCELNLSVTDSSDGRVA 244


RESULT 6
Q9D0T4
ID   Q9D0T4      PRELIMINARY;      PRT;   248 AA.
AC   Q9D0T4;
DT   01-JUN-2001 (TrEMBLrel. 17, Created)
DT   01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   Mus musculus 18-day embryo whole body cDNA, RIKEN full-length enriched
DE   library, clone:1190004B15 product:CTM homolog.
GN   Name=2210413P10Rik;
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RX   MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
RA   Carninci P., Hayashizaki Y.;
RT   "High-efficiency full-length cDNA cloning.";
RL   Meth. Enzymol. 303:19-44(1999).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RX   MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RA   RIKEN FANTOM Consortium;
RT   "Functional annotation of a full-length mouse cDNA collection.";
RL   Nature 409:685-690(2001).
RN   [3]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RA   The FANTOM Consortium,
RA   the RIKEN Genome Exploration Research Group Phase I & II Team;
RT   "Analysis of the mouse transcriptome based on functional annotation of
RT   60,770 full-length cDNAs.";
RL   Nature 420:563-573(2002).
RN   [4]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RX   MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
RA   Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
RA   Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
RT   "Normalization and subtraction of cap-trapper-selected cDNAs to
RT   prepare full-length cDNA libraries for rapid discovery of new genes.";
RL   Genome Res. 10:1617-1630(2000).
RN   [5]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RX   MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
RA   Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
RA   Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
RA   Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
RA   Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
RA   Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
RA   Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
RA   Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
RT   "RIKEN integrated sequence analysis (RISA) system-384-format
RT   sequencing pipeline with 384 multicapillary sequencer.";
RL   Genome Res. 10:1757-1771(2000).
RN   [6]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RA   Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
RA   Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
RA   Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
RA   Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
RA   Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
RA   Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
RA   Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
RA   Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
RA   Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
RA   Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
RA   Muramatsu M., Hayashizaki Y.;
RL   Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AK004478; BAB23323.1; -.
DR   HSSP; O88792; 1F97.
DR   MGD; MGI:1928009; 2210413P10Rik.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 1.
SQ   SEQUENCE   248 AA;  26061 MW;  3146D8F85BD3BD81 CRC64;

  Query Match             56.4%;  Score 656;  DB 2;  Length 248;
  Best Local Similarity   88.0%;  Pred. No. 4.8e-44;
  Matches  125;  Conservative    7;  Mismatches   10;  Indels    0;  Gaps    0;

Qy         79 GVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGS 138
              |:|||||||: |||||||||| ||||||||||||||||||||||||:|||||||||||||
Db         23 GLATLKLTDLRPSDTGTYLCNVNNPPDFYTNGLGLINLTVLVPPSHPLCSQSGQTSVGGS 82

Qy        139 TALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATN 198
               || | |||||||||||| |||: ||| ||||||||||||||||||||||||||||:|
Db         83 AALGCRSSEGAPKPVYNWERLGSSPTPPPGSMVQDEVSGQLILTNLSLTSSGTYRCVASN 142

Qy        199 QMGSASCELTLSVTEPSQGRVA 220
              |||||||| |||||: |:||||
Db        143 QMGSASCELNLSVTDSSEGRVA 164


RESULT 7
Q7Z2Q1
ID   Q7Z2Q1      PRELIMINARY;      PRT;   259 AA.
AC   Q7Z2Q1;
DT   01-OCT-2003 (TrEMBLrel. 25, Created)
DT   01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   DJ889N15.1 (Novel protein similar to X. laevis Cortical Thymocyte
DE   Marker CTX) (Fragment).
GN   Name=dJ889N15.1;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RA   Grafham D.;
RL   Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AL031177; CAA20116.1; -.
DR   HSSP; O88792; 1F97.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
FT   NON_TER       1       1
FT   NON_TER     259     259
SQ   SEQUENCE   259 AA;  27813 MW;  66B729303B9A6B18 CRC64;

  Query Match             30.2%;  Score 352;  DB 2;  Length 259;
  Best Local Similarity   34.2%;  Pred. No. 5.9e-20;
  Matches   76;  Conservative   47;  Mismatches   85;  Indels   14;  Gaps    7;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPISESHPI-LYFT-N 56
              |:| :|   ::  :|    | | |:|:|   :  :::|||        |  || :||:
Db          5 VQVTIPDGFVNVTVGSNVTLICIYTTTVASREQLSIQWSFFHK----KEMEPISIYFSQG 60

Qy         57 GHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINL 116
              |    |   |::   :|   | |:: :: : |:|:| |:| |||||||     |::|:
Db         61 GQAVAIGQFKDRITGSNDP---GNASITISHMQPADSGIYICDVNNPPDFLGQNQGILNV 117
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Qy        117 TVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEV 175
              :||| || |||| |:   | : :| | |: | | ||| | :| |    |   :   :
Db        118 SVLVKPSKPLCSVQGRPETGHTISLSCLSALGTPSPVYYWHKLEGRDIVPVKENF--NPT 175

Qy        176 SGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 217
              :| |:: ||:    | |:| | |::|:|||: |: : |  |
Db        176 TGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVG 217


RESULT 8
Q86XK7
ID   Q86XK7      PRELIMINARY;      PRT;   387 AA.
AC   Q86XK7;
DT   01-JUN-2003 (TrEMBLrel. 24, Created)
DT   01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
DT   25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE   V-set and immunoglobulin domain containing 1 (Hypothetical protein
DE   DKFZp686I1638).
GN   Name=VSIG1; Synonyms=DKFZp686I1638;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Testis;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Testis;
RA   Director MGC Project;
RL   Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
RN   [3]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Testis;
RG   The German cDNA Consortium;
RA   Ottenwaelder B., Obermaier B., Deutschenbaur S., Schaipp A.,
RA   Mewes H.W., Weil B., Amid C., Osanger A., Fobo G., Han M., Wiemann S.;
RL   Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC043216; AAH43216.1; -.
DR   EMBL; BX648658; CAH56142.1; -.
DR   HSSP; P06907; 1NEU.
DR   GO; GO:0016020; C:membrane; IEA.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   InterPro; IPR000920; Myelin_P0.
DR   Pfam; PF00047; ig; 1.
DR   PRINTS; PR00213; MYELINP0.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
KW   Hypothetical protein.
SQ   SEQUENCE   387 AA;  41811 MW;  F5D39F3B21FF1D0D CRC64;
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  Query Match             30.2%;  Score 352;  DB 2;  Length 387;
  Best Local Similarity   34.2%;  Pred. No. 9.5e-20;
  Matches   76;  Conservative   47;  Mismatches   85;  Indels   14;  Gaps    7;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPISESHPI-LYFT-N 56
              |:| :|   ::  :|    | | |:|:|   :  :::|||        |  || :||:
Db         22 VQVTIPDGFVNVTVGSNVTLICIYTTTVASREQLSIQWSFFHK----KEMEPISIYFSQG 77

Qy         57 GHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINL 116
              |    |    |::   :|   | |:: :: : |:|:| |:| |||||||     |::|:
Db         78 GQAVAIGQFKDRITGSNDP---GNASITISHMQPADSGIYICDVNNPPDFLGQNQGILNV 134

Qy        117 TVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEV 175
              :||| || |||| |:   | : :| | |: | | ||| | :| |    |   :   :
Db        135 SVLVKPSKPLCSVQGRPETGHTISLSCLSALGTPSPVYYWHKLEGRDIVPVKENF--NPT 192

Qy        176 SGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 217
              :| |:: ||:    | |:| | |::|::|||: |: : |  |
Db        193 TGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVG 234


RESULT 9
Q6MZS4
ID   Q6MZS4      PRELIMINARY;      PRT;   412 AA.
AC   Q6MZS4;
DT   05-JUL-2004 (TrEMBLrel. 27, Created)
DT   05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT   05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE   Hypothetical protein DKFZp686A1239 (Fragment).
GN   Name=DKFZp686A1239;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Human testis;
RG   The German Human cDNA Consortium;
RA   Ottenwaelder B., Obermaier B., Deutschenbaur S., Mewes H.W., Weil B.,
RA   Amid C., Osanger A., Fobo G., Han M., Wiemann S.;
RL   Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BX640913; CAE45954.1; -.
DR   GO; GO:0016020; C:membrane; IEA.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   InterPro; IPR003596; Ig_v.
DR   InterPro; IPR000920; Myelin_P0.
DR   Pfam; PF00047; ig; 1.
DR   PRINTS; PR00213; MYELINP0.
DR   SMART; SM00409; IG; 2.
DR   SMART; SM00408; IGc2; 2.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
KW   Hypothetical protein.
FT   NON_TER       1       1
SQ   SEQUENCE   412 AA;  44702 MW;  C1B4E005F0882C45 CRC64;

  Query Match             30.2%;  Score 352;  DB 2;  Length 412;
  Best Local Similarity   34.2%;  Pred. No. 1e-19;
  Matches   76;  Conservative   47;  Mismatches   85;  Indels   14;  Gaps    7;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPISESHPI-LYFT-N 56
              |:| :|   ::  :|    | | |:|:|   :  :::|||        |  || :||:
Db         47 VQVTIPDGFVNVTVGSNVTLICIYTTTVASREQLSIQWSFFHK----KEMEPISIYFSQG 102

Qy         57 GHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINL 116
              |    |    |::   :|   | |:: :: : |:|:| |:| |||||||     |::|:
Db        103 GQAVAIGQFKDRITGSNDP---GNASITISHMQPADSGIYICDVNNPPDFLGQNQGILNV 159

Qy        117 TVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEV 175
              :||| || |||| |:   | : :| | |: | | ||| | :| |    |   :   :
Db        160 SVLVKPSKPLCSVQGRPETGHTISLSCLSALGTPSPVYYWHKLEGRDIVPVKENF--NPT 217
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Qy        176 SGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 217
              :| |:: ||:    | |:| | |::|::|||: |: : |  |
Db        218 TGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVG 259


RESULT 10
Q9D2J4
ID   Q9D2J4      PRELIMINARY;      PRT;   407 AA.
AC   Q9D2J4;
DT   01-JUN-2001 (TrEMBLrel. 17, Created)
DT   01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Mus musculus adult male testis cDNA, RIKEN full-length enriched
DE   library, clone:4930405J24 product:similar to DJ889N15.1 (NOVEL PROTEIN
DE   SIMILAR TO X. LAEVIS CORTICAL THYMOCYTE MARKER CTX).
GN   Name=4930405J24Rik;
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RX   MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
RA   Carninci P., Hayashizaki Y.;
RT   "High-efficiency full-length cDNA cloning.";
RL   Meth. Enzymol. 303:19-44(1999).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RX   MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RA   RIKEN FANTOM Consortium;
RT   "Functional annotation of a full-length mouse cDNA collection.";
RL   Nature 409:685-690(2001).
RN   [3]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RA   The FANTOM Consortium,
RA   the RIKEN Genome Exploration Research Group Phase I & II Team;
RT   "Analysis of the mouse transcriptome based on functional annotation of
RT   60,770 full-length cDNAs.";
RL   Nature 420:563-573(2002).
RN   [4]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RX   MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
RA   Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
RA   Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
RT   "Normalization and subtraction of cap-trapper-selected cDNAs to
RT   prepare full-length cDNA libraries for rapid discovery of new genes.";
RL   Genome Res. 10:1617-1630(2000).
RN   [5]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RX   MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
RA   Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
RA   Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
RA   Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
RA   Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
RA   Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
RA   Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
RA   Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
RT   "RIKEN integrated sequence analysis (RISA) system-384-format
RT   sequencing pipeline with 384 multicapillary sequencer.";
RL   Genome Res. 10:1757-1771(2000).
RN   [6]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RA   Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
RA   Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
RA   Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
RA   Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
RA   Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
RA   Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
RA   Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
RA   Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
RA   Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
RA   Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
RA   Muramatsu M., Hayashizaki Y.;
RL   Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AK019565; BAB31795.1; -.
DR   HSSP; P06907; 1NEU.
DR   MGD; MGI:1926039; 4930405J24Rik.
DR   GO; GO:0016020; C:membrane; IEA.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   InterPro; IPR000920; Myelin_P0.
DR   Pfam; PF00047; ig; 1.
DR   PRINTS; PR00213; MYELINP0.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   407 AA;  44014 MW;  B7094F818B868680 CRC64;

  Query Match             28.6%;  Score 332.5;  DB 2;  Length 407;
  Best Local Similarity   32.7%;  Pred. No. 3.5e-18;
  Matches   72;  Conservative   41;  Mismatches   98;  Indels    9;  Gaps    5;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPISESHPILYFTNGH 58
              |:| :|   ::  :|    | | |:|:    :  :::|||    | : |   | |   |
Db         23 VQVTIPDTFVNVTVGSNVTLLCLYTTTEKSLEKLSIQWSFFH-NKEMEEPISIYYSEGGQ 81

Qy         59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
                 |    |:    ||   | |:: :  : |:|:|  |:|  ||||| |     ||:::||
Db         82 ASAIGQFKDRIIGATNP---GNASITILHMQPADSGIYICDVNNPPHFVGKNQGLLDVTV 138

Qy        119 LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEVSG 177
              || || | |:  |:   |   :| | |: | | |:| |  : |    |   |   :  :|
Db        139 LVKPSKPFCTIQGRPEAGHPISLSCLSAFGTPSPLYYWYNIEGNTIVPVKESF--NTATG 196

Qy        178 QLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 217
              |:: ||:    | |:| | | :|::|||: |: : |  |
Db        197 VLVIGNLTNFEQGYYQCTAINSLGNSSCEIDLTSSHPEVG 236


RESULT 11
Q8N4F1
ID   Q8N4F1      PRELIMINARY;      PRT;   430 AA.
AC   Q8N4F1;
DT   01-OCT-2002 (TrEMBLrel. 22, Created)
DT   01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Brain and testis-specific immunoglobin superfamily protein.
GN   Name=IGSF11;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Brain;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
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RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Brain;
RA   Strausberg R.;
RL   Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC034411; AAH34411.1; -.
DR   HSSP; P78310; 1EAJ.
DR   Genew; HGNC:16669; IGSF11.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   430 AA;  46245 MW;  E53FC71BC10D049D CRC64;

  Query Match             28.3%;  Score 329.5;  DB 2;  Length 430;
  Best Local Similarity   34.7%;  Pred. No. 6.5e-18;
  Matches   75;  Conservative   35;  Mismatches  101;  Indels    5;  Gaps    5;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVG-DSFALEWSFVQPGKPISESHPILYFTNGHL 59
              :||      :    |:|| | ||::||    :  : |  | |    ::   :: :  | :
Db         22 LEVSESPGSIQVARGQTAVLPCTFTTSAALINLNVIW-MVTPLSNANQPEQVILYQGGQM 80

Qy         60 YPTGSK-SKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
              :   :  ||      |  | :: : :  |||||| | ||| ||     :|:  |||
Db         81 FDGAPRFHGRVGFTGTMPATNV-SIFINNTQLSDTGTYQCLVNNLPDIGGRNIGVTGLTV 139

Qy        119 LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQ 178
              ||||| | |   |   :|    | ||| || |:| | | :|       | :  ||:| |
Db        140 LVPPSAPHCQIQGSQDIGSDVILLCSSEEGIPRPTYLWEKLDN-TLKLPPTATQDQVQGT 198

Qy        179 LILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEP 214
              : : |:|  ||| |:|||:| :|:::| | | |  |
Db        199 VTIRNISALSSGLYQCVASNAIGTSTCLLDLQVISP 234


RESULT 12
Q91664
ID   Q91664      PRELIMINARY;      PRT;   318 AA.
AC   Q91664;
DT   01-NOV-1996 (TrEMBLrel. 01, Created)
DT   01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   CTX.
OS   Xenopus laevis (African clawed frog).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
OC   Xenopodinae; Xenopus.
OX   NCBI_TaxID=8355;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=ff; TISSUE=Thymus;
RX   MEDLINE=96210130; PubMed=8625968;
RA   Chretien I., Robert J., Marcuz A., Garcia-Sanz J.A., Courtet M.,
RA   Du Pasquier L.;
RT   "CTX, a novel molecule specifically expressed on the surface of
RT   cortical thymocytes in Xenopus.";
RL   Eur. J. Immunol. 26:780-791(1996).
DR   EMBL; U43330; AAC59899.1; -.
DR   HSSP; P78310; 1KAC.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00409; IG; 2.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   318 AA;  34429 MW;  6231D24B0B806C09 CRC64;

  Query Match             27.1%;  Score 316;  DB 2;  Length 318;
  Best Local Similarity   35.2%;  Pred. No. 5.3e-17;
  Matches   75;  Conservative   40;  Mismatches   84;  Indels   14;  Gaps    7;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTY--STSVGDSFALEWSFVQPGKPISESHPILYFTNGH 58
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Db         20 VQVTIQNPIINVTSGQNATLYCTYILNNQNKNNLVIQWNIFQAKSQNQET--VFFYQNGQ 77

Qy         59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
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Qy        177 GQLILTNLSLTSSGTYRCVATNQMGSASCELTL 209
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Db        190 GSLIIGNLTDFEEGYYRCTASNNLGNATCELNL 222


RESULT 13
Q9PWR4
ID   Q9PWR4      PRELIMINARY;      PRT;   335 AA.
AC   Q9PWR4;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   ChT1 thymocyte antigen precursor.
GN   Name=ChT1;
OS   Gallus gallus (Chicken).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
OC   Gallus.
OX   NCBI_TaxID=9031;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=H.B19; TISSUE=Thymus;
RA   Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
RA   Vainio O.;
RL   Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; Y14064; CAA74391.1; -.
DR   HSSP; P78310; 1KAC.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003596; Ig_v.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
KW   Signal.
FT   SIGNAL        1     21       Potential.
FT   CHAIN        22    335       ChT1 thymocyte antigen.
SQ   SEQUENCE   335 AA;  36509 MW;  AA6159598079B438 CRC64;

  Query Match             26.8%;  Score 311.5;  DB 2;  Length 335;
  Best Local Similarity   33.5%;  Pred. No. 1.3e-16;
  Matches   71;  Conservative   43;  Mismatches   89;  Indels    9;  Gaps    5;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTS--VGDSFALEWSFVQPGKPISESHPILYFTNGH 58
              | | || : ::   |  | | |||::|  :| :| ::|||    :  |: | | |:: |
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Qy         59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
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RESULT 14
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ID   Q9YGH1      PRELIMINARY;      PRT;   335 AA.
AC   Q9YGH1;
DT   01-MAY-1999 (TrEMBLrel. 10, Created)
DT   01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   ChT1 thymocyte antigen precursor.
GN   Name=ChT1;
OS   Gallus gallus (Chicken).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
OC   Gallus.
OX   NCBI_TaxID=9031;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=RPRL line 0; TISSUE=Thymus;
RA   Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
RA   Vainio O.;
RL   Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; Y14063; CAA74390.1; -.
DR   HSSP; P78310; 1KAC.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003596; Ig_v.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
KW   Signal.
FT   SIGNAL        1     21       Potential.
FT   CHAIN        22    335       ChT1 thymocyte antigen.
SQ   SEQUENCE   335 AA;  36553 MW;  AA640C5CD02CB16D CRC64;

  Query Match             26.8%;  Score 311.5;  DB 2;  Length 335;
  Best Local Similarity   33.5%;  Pred. No. 1.3e-16;
  Matches   71;  Conservative   43;  Mismatches   89;  Indels    9;  Gaps    5;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTS--VGDSFALEWSFVQPGKPISESHPILYFTNGH 58
              | | || : ::   |  | | |||::|  :| :| ::|||    :  |: | | |:: |
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Qy         59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
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Db        195 LYIGNLTTFETGHYRCIASNIMGNSTCELDLT 226


RESULT 15
Q9YGV5
ID   Q9YGV5      PRELIMINARY;      PRT;   335 AA.
AC   Q9YGV5;
DT   01-MAY-1999 (TrEMBLrel. 10, Created)
DT   01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   ChT1.
OS   Gallus gallus (Chicken).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
OC   Gallus.
OX   NCBI_TaxID=9031;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=99077161; PubMed=9862345;
RX   DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
RA   Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K.,
RA   White S.J., Du Pasquier L.;
RT   "CTX, a Xenopus thymocyte receptor, defines a molecular family
RT   conserved throughout vertebrates.";
RL   Eur. J. Immunol. 28:4094-4104(1998).
DR   EMBL; AF061023; AAD17523.1; -.
DR   HSSP; P78310; 1KAC.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003596; Ig_v.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   335 AA;  36561 MW;  071A313C3CE6DCA0 CRC64;

  Query Match             26.1%;  Score 303.5;  DB 2;  Length 335;
  Best Local Similarity   33.0%;  Pred. No. 5.5e-16;
  Matches   70;  Conservative   43;  Mismatches   90;  Indels    9;  Gaps    5;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTS--VGDSFALEWSFVQPGKPISESHPILYFTNGH 58
              | | || : ::   |  | | |||::|  :| :| ::|||    :  |: | | |:: |
Db         22 VVVTVPEKTVNVKTGGNATLLCTYTSSQPLG-NFFIQWSFYSAKE--SQLHTIYYYSEGQ 78

Qy         59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
               |  |    |::   :|   | |:: :::: |||||:| |:| :| |        : : |
Db         79 SYSYGEFKDRITAATSP---GNASITISNMQPSDTGSYTCEVFSPQDDAGQSQKSVIVNV 135

Qy        119 LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQ 178
              || || | |   |    |    | |   :| | | | ::    | :| :   :  :|
Db        136 LVKPSKPFCKIEGTPEKGHLIYLLCKCDQGLPHPTYRWYKVDE-NTLTPVTEYFNPDTGI 194

Qy        179 LILTNLSLTSSGTYRCVATNQMGSASCELTLS 210
              | : ||:   :| |||:|:| ||:::||| |:
Db        195 LYIGNLTTFETGHYRCIASNIMGNSTCELDLT 226


Search completed: August  4, 2005, 06:13:31
Job time : 62.3592 secs
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OM protein - protein search, using sw model

Run on: August 4, 2005, 06:13:42 ; Search time 59.8944 Seconds
(without alignments)
1447.018 Million cell updates/sec

Title: US-10-607-565-83_COPY_24_245
Perfect score: 1164
Sequence: 1 VEVKVPTEPLSTPLGKTAEL.....ASCELTLSVTEPSQGRVAEL 222

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1752860 seqs, 390397842 residues

Total number of hits satisfying chosen parameters: 1752860

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1164	100.0	245	9	US-09-820-893-98	Sequence 98, Appl
2	1164	100.0	245	15	US-10-607-565-98	Sequence 98, Appl
3	1164	100.0	246	9	US-09-820-893-83	Sequence 83, Appl
4	1164	100.0	246	15	US-10-607-565-83	Sequence 83, Appl
5	1155	99.2	326	15	US-10-443-108-4	Sequence 4, Appli
6	1155	99.2	327	14	US-10-227-884-236	Sequence 236, App
7	1155	99.2	327	14	US-10-230-163-236	Sequence 236, App
8	1155	99.2	327	14	US-10-230-338-236	Sequence 236, App
9	1155	99.2	327	14	US-10-218-631-236	Sequence 236, App
10	1155	99.2	327	14	US-10-230-414-236	Sequence 236, App
11	1155	99.2	327	14	US-10-232-224-236	Sequence 236, App
12	1155	99.2	327	14	US-10-216-159A-236	Sequence 236, App
13	1155	99.2	327	14	US-10-218-849-236	Sequence 236, App
14	1155	99.2	327	14	US-10-227-873-236	Sequence 236, App
15	1155	99.2	327	14	US-10-227-883-236	Sequence 236, App
16	1155	99.2	327	14	US-10-219-076-236	Sequence 236, App
17	1155	99.2	327	14	US-10-230-434-236	Sequence 236, App
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37	1155	99.2	327	14	US-10-219-528-236	Sequence 236, App
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42	1155	99.2	327	14	US-10-232-223-236	Sequence 236, App
43	1155	99.2	327	14	US-10-232-225-236	Sequence 236, App
44	1155	99.2	327	14	US-10-232-227-236	Sequence 236, App
45	1155	99.2	327	14	US-10-232-229-236	Sequence 236, App

ALIGNMENTS

RESULT 1
US-09-820-893-98
; Sequence 98, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 31 Human Secreted Proteins
; FILE REFERENCE: PZ033P1
; CURRENT APPLICATION NUMBER: US/09/820,893
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/531,119
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: 60/102,895
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-820-893-98

Query Match 100.0%; Score 1164; DB 9; Length 245;
Best Local Similarity 100.0%; Pred. No. 1.7e-88;
Matches 222; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
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Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVAEL 245


RESULT 2
US-10-607-565-98
; Sequence 98, Application US/10607565
; Publication No. US20040048294A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 31 Human Secreted Proteins
;  FILE REFERENCE: PZ033P1
;  CURRENT APPLICATION NUMBER: US/10/607,565
;  CURRENT FILING DATE:  2003-06-27
;  PRIOR APPLICATION NUMBER: US/09/531,119
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/101,546
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/102,895
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
;   LENGTH: 245
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-607-565-98

  Query Match             100.0%;  Score 1164;  DB 15;  Length 245;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-88;
  Matches  222;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT 3
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; Sequence 83, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 31 Human Secreted Proteins
;  FILE REFERENCE: PZ033P1
;  CURRENT APPLICATION NUMBER: US/09/820,893
;  CURRENT FILING DATE:  2001-03-30
;  PRIOR APPLICATION NUMBER: 09/531,119
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: 60/102,895
;  PRIOR FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 83
;   LENGTH: 246
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (246)
;   OTHER INFORMATION: Xaa equals stop translation
US-09-820-893-83

  Query Match             100.0%;  Score 1164;  DB 9;  Length 246;
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Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVAEL 222
              |||||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVAEL 245


RESULT 4
US-10-607-565-83
; Sequence 83, Application US/10607565
; Publication No. US20040048294A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 31 Human Secreted Proteins
;  FILE REFERENCE: PZ033P1
;  CURRENT APPLICATION NUMBER: US/10/607,565
;  CURRENT FILING DATE:  2003-06-27
;  PRIOR APPLICATION NUMBER: US/09/531,119
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/101,546
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/102,895
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 83
;   LENGTH: 246
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (246)
;   OTHER INFORMATION: Xaa equals stop translation
US-10-607-565-83

  Query Match             100.0%;  Score 1164;  DB 15;  Length 246;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-88;
  Matches  222;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
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Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
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Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVAEL 222
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Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVAEL 245


RESULT 5
US-10-443-108-4
; Sequence 4, Application US/10443108
; Publication No. US20040005615A1
; GENERAL INFORMATION:
;  APPLICANT: LI, JING
;  APPLICANT:  MU, DAVID
;  APPLICANT:  YANG, JIANXIN
;  TITLE OF INVENTION: AMPLIFICATION AND OVEREXPRESSION OF ONCOGENES
;  FILE REFERENCE: 38002-0049
;  CURRENT APPLICATION NUMBER: US/10/443,108
;  CURRENT FILING DATE:  2003-05-22
;  PRIOR APPLICATION NUMBER: 60/398,099
;  PRIOR FILING DATE: 2002-07-25
;  PRIOR APPLICATION NUMBER: 60/382,606
;  PRIOR FILING DATE: 2002-05-24
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 326
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-443-108-4

  Query Match             99.2%;  Score 1155;  DB 15;  Length 326;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-87;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
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Db         23 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 82

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         83 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 142

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        143 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 202

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
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Db        203 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 242


RESULT 6
US-10-227-884-236
; Sequence 236, Application US/10227884
; Publication No. US20030027988A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C79
;  CURRENT APPLICATION NUMBER: US/10/227,884
;  CURRENT FILING DATE:  2002-08-26
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
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;  PRIOR APPLICATION NUMBER: 60/079656
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;  PRIOR APPLICATION NUMBER: 60/084441
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;  PRIOR APPLICATION NUMBER: 60/085323
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;  PRIOR APPLICATION NUMBER: 60/085579
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;  PRIOR FILING DATE: 1998-05-22
;  PRIOR APPLICATION NUMBER: 60/089532
;  PRIOR FILING DATE: 1998-06-17
;  PRIOR APPLICATION NUMBER: 60/089538
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;  PRIOR APPLICATION NUMBER: 60/089905
;  PRIOR FILING DATE: 1998-06-18
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;  PRIOR APPLICATION NUMBER: 60/090691
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/090695
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;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/095302
;  PRIOR FILING DATE: 1998-08-04
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;  PRIOR APPLICATION NUMBER: 60/096791
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;  PRIOR FILING DATE: 1998-09-10
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; PRIOR APPLICATION NUMBER: 60/100038
; PRIOR FILING DATE: 1998-09-11
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; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
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; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
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; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
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; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
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; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.2%; Score 1155; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 1.4e-87;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
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Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
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RESULT 7
US-10-230-163-236
; Sequence 236, Application US/10230163
; Publication No. US20030036635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C96

; CURRENT APPLICATION NUMBER: US/10/230,163
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
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; PRIOR APPLICATION NUMBER: 60/069873
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; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
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; PRIOR FILING DATE: 1998-04-22
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; PRIOR FILING DATE: 1998-11-17
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;  PRIOR APPLICATION NUMBER: 60/131270
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;  PRIOR APPLICATION NUMBER: 60/131291
;  PRIOR FILING DATE: 1999-04-27
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;  PRIOR APPLICATION NUMBER: 60/140723
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;  PRIOR APPLICATION NUMBER: 60/141037
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;  PRIOR FILING DATE: 1999-07-20
;  PRIOR APPLICATION NUMBER: 60/145698
;  PRIOR FILING DATE: 1999-07-26
;  PRIOR APPLICATION NUMBER: 60/146222
;  PRIOR FILING DATE: 1999-07-28
;  PRIOR APPLICATION NUMBER: 60/146963
;  PRIOR FILING DATE: 1999-08-03
;  PRIOR APPLICATION NUMBER: 60/149320
;  PRIOR FILING DATE: 1999-08-17
;  PRIOR APPLICATION NUMBER: 60/149638
;  PRIOR FILING DATE: 1999-08-17
;  PRIOR APPLICATION NUMBER: 60/151733
;  PRIOR FILING DATE: 1999-08-31
;  PRIOR APPLICATION NUMBER: 60/164418
;  PRIOR FILING DATE: 1999-11-09
;  PRIOR APPLICATION NUMBER: 60/166361
;  PRIOR FILING DATE: 1999-11-16
;  PRIOR APPLICATION NUMBER: 60/169445
;  PRIOR FILING DATE: 1999-12-07
;  PRIOR APPLICATION NUMBER: 60/169495
;  PRIOR FILING DATE: 1999-12-07
;  PRIOR APPLICATION NUMBER: 60/169835

  Query Match             99.2%;  Score 1155;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-87;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              ||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 8
US-10-230-338-236
; Sequence 236, Application US/10230338
; Publication No. US20030044934A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C92
;  CURRENT APPLICATION NUMBER: US/10/230,338
;  CURRENT FILING DATE:  2002-08-28
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-230-338-236

  Query Match             99.2%;  Score 1155;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-87;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              ||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 9
US-10-218-631-236
; Sequence 236, Application US/10218631
; Publication No. US20030045687A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C14
;  CURRENT APPLICATION NUMBER: US/10/218,631
;  CURRENT FILING DATE:  2002-08-12
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-218-631-236

  Query Match             99.2%;  Score 1155;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-87;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              |||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 10
US-10-230-414-236
; Sequence 236, Application US/10230414
; Publication No. US20030050448A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C98
;  CURRENT APPLICATION NUMBER: US/10/230,414
;  CURRENT FILING DATE:  2002-08-28
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-230-414-236

  Query Match             99.2%;  Score 1155;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-87;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              |||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 11
US-10-232-224-236
; Sequence 236, Application US/10232224
; Publication No. US20030065147A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C111
;  CURRENT APPLICATION NUMBER: US/10/232,224
;  CURRENT FILING DATE:  2002-08-29
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
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;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-232-224-236

  Query Match             99.2%;  Score 1155;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-87;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              ||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 12
US-10-216-159A-236
; Sequence 236, Application US/10216159A
; Publication No. US20030069397A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C6
;  CURRENT APPLICATION NUMBER: US/10/216,159A
;  CURRENT FILING DATE:  2002-08-09
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-216-159A-236

  Query Match             99.2%;  Score 1155;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-87;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              ||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 13
US-10-218-849-236
; Sequence 236, Application US/10218849
; Publication No. US20030073814A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C11
;  CURRENT APPLICATION NUMBER: US/10/218,849
;  CURRENT FILING DATE:  2002-08-12
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-218-849-236
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  Query Match           99.2%;  Score 1155;  DB 14;  Length 327;
  Best Local Similarity  100.0%;  Pred. No. 1.4e-87;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              ||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 14
US-10-227-873-236
; Sequence 236, Application US/10227873
; Publication No. US20030073816A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C72
;  CURRENT APPLICATION NUMBER: US/10/227,873
;  CURRENT FILING DATE:  2002-08-26
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
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;  PRIOR FILING DATE: 1997-12-17
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;  PRIOR FILING DATE: 1998-03-25
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;  PRIOR FILING DATE: 1998-03-26
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; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.2%; Score 1155; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 1.4e-87;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
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Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
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RESULT 15
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; Publication No. US20030073817A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C78
; CURRENT APPLICATION NUMBER: US/10/227,883
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
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; PRIOR FILING DATE: 1997-09-17
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; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.2%; Score 1155; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 1.4e-87;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
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Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
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Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
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Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
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Search completed: August 4, 2005, 06:47:30
Job time : 60.8944 secs

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: August 4, 2005, 05:53:15 ; Search time 67.7067 Seconds
(without alignments)
1268.128 Million cell updates/sec

Title: US-10-607-565-83_COPY_24_245
Perfect score: 1164
Sequence: 1 VEVKVPTEPLSTPLGKTAEL.....ASCELTLSVTEPSQGRVAEL 222

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_16Dec04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1164	100.0	245	3	AAB08940	Aab08940 Human sec
2	1164	100.0	246	3	AAB08926	Aab08926 Human sec
3	1155	99.2	326	8	ADF83097	Adf83097 Human cor
4	1155	99.2	327	3	AAY87251	Aay87251 Human sig
5	1155	99.2	327	3	AAY94857	Aay94857 Human pro
6	1155	99.2	327	4	AAY97585	Aay97585 Human sec
7	1155	99.2	327	5	ABB90354	Abb90354 Human pol
8	1155	99.2	327	5	AAU83709	Aau83709 Human PRO
9	1155	99.2	327	6	ABU80856	Abu80856 Human PRO
10	1155	99.2	327	6	ABO33822	Abo33822 Novel hum
11	1155	99.2	327	6	ABU82165	Abu82165 Novel hum
12	1155	99.2	327	6	ABJ72345	Abj72345 Human PRO
13	1155	99.2	327	6	ABJ72473	Abj72473 Human PRO
14	1155	99.2	327	6	ABO34368	Abo34368 Human sec
15	1155	99.2	327	7	ABJ72175	Abj72175 Human mem
16	1155	99.2	327	7	ADB83726	Adb83726 Novel hum
17	1155	99.2	327	7	ADB80832	Adb80832 Novel hum
18	1155	99.2	327	7	ADB73373	Adb73373 Novel hum
19	1155	99.2	327	7	ADB78455	Adb78455 Novel hum
20	1155	99.2	327	7	ADB85103	Adb85103 Human PRO
21	1155	99.2	327	7	ADB78209	Adb78209 Novel hum
22	1155	99.2	327	7	ADB87275	Adb87275 Human PRO
23	1155	99.2	327	7	ADB84857	Adb84857 Human PRO
24	1155	99.2	327	7	ADB83972	Adb83972 Novel hum
25	1155	99.2	327	7	ADB73127	Adb73127 Novel hum
26	1155	99.2	327	7	ADC36965	Adc36965 Human PRO
27	1155	99.2	327	7	ADC21955	Adc21955 Human PRO
28	1155	99.2	327	7	ADC49986	Adc49986 Novel hum
29	1155	99.2	327	7	ADC49185	Adc49185 Novel hum
30	1155	99.2	327	7	ADC49702	Adc49702 Novel hum
31	1155	99.2	327	7	ADC47563	Adc47563 Novel hum
32	1155	99.2	327	7	ADC47308	Adc47308 Novel hum
33	1155	99.2	327	7	ADC78183	Adc78183 Novel hum
34	1155	99.2	327	7	ADD06418	Add06418 Novel hum
35	1155	99.2	327	7	ADC77937	Adc77937 Novel hum
36	1155	99.2	327	7	ADD50900	Add50900 Novel hum
37	1155	99.2	327	7	ADD51146	Add51146 Novel hum
38	1155	99.2	327	7	ADD50627	Add50627 Human PRO
39	1155	99.2	327	7	ADD50381	Add50381 Human PRO
40	1155	99.2	327	7	ADD51392	Add51392 Novel hum
41	1155	99.2	327	8	ADC48939	Adc48939 Novel hum
42	1155	99.2	327	8	ADE21110	Ade21110 Novel hum
43	1155	99.2	327	8	ADE05954	Ade05954 Human PRO
44	1155	99.2	327	8	ADD75183	Add75183 Human PRO
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ALIGNMENTS

RESULT 1
AAB08940
ID AAB08940 standard; protein; 245 AA.
XX
AC AAB08940;
XX
DT 30-AUG-2000 (first entry)
XX
DE Human secreted protein sequence encoded by gene 13 SEQ ID NO:97.
XX
KW Human; secreted protein; cytostatic; anti-proliferative; vulnerary;
KW immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis;
KW hyperproliferative disorder; infectious disease; tissue regeneration;
KW screening; food additive; preservative; wound healing;
KW hyper-vascular disease; chromsome 11.
XX
OS Homo sapiens.
XX
PN WO200017222-A1.
XX
PD 30-MAR-2000.
XX
PF 22-SEP-1999; 99WO-US022012.
XX
PR 23-SEP-1998; 98US-0101546P.
PR 02-OCT-1998; 98US-0102895P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Ruben SM, Rosen CA, Duan RD, Shi Y, Lafleur DW, Young PE, Ni J;
PI Komatsoulis G, Endress GA, Soppet DR;
XX
DR WPI; 2000-283538/24.
XX
PT Human secreted proteins and coding sequences useful in diagnostic and
PT therapeutic methods for disorders such as immune system or proliferative
PT disorders, related to the proteins.
XX
PS Disclosure; Page 40; 416pp; English.
XX
CC The polynucleotide sequences given in AAA39052 to AAA39088 encode the
CC human secreted proteins given in AAB08891 to AAB08984. The human secreted
CC proteins can have activities based on the tissues and cells they are
CC expressed in. Examples of the activities are: cytostatic; anti-
CC proliferative; immunosuppressive; antibacterial; and vulnerary. The
CC secreted proteins and their related polynucleotide sequences are useful
CC for diagnostic and therapeutic methods useful for diagnosing and treating
CC disorders related to the secreted proteins. The proteins, and

```
CC   polynucleotide sequences may be useful for treating disorders of the
CC   immune system, hyperproliferative disorders, infectious disease,
CC   regeneration of tissues, for chemotaxis and for screening molecules that
CC   bind to the proteins. The proteins or polynucleotide sequences may be
CC   used as food additives or preservatives, to increase or decrease storage
CC   capabilities, fat content, lipid, protein, carbohydrate, vitamins,
CC   minerals, co-factors or other nutritional components. Agonists or
CC   antagonists of the proteins may be used to prevent scar tissue growth
CC   during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051
CC   and AAB08890 are sequences used in the exemplification of the present
CC   invention
XX
SQ   Sequence 245 AA;

  Query Match             100.0%;  Score 1164;  DB 3;  Length 245;
  Best Local Similarity   100.0%;  Pred. No. 2e-81;
  Matches  222;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVAEL 222
              |||||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVAEL 245


RESULT 2
AAB08926
ID   AAB08926 standard; protein; 246 AA.
XX
AC   AAB08926;
XX
DT   30-AUG-2000  (first entry)
XX
DE   Human secreted protein sequence encoded by gene 13 SEQ ID NO:83.
XX
KW   Human; secreted protein; cytostatic; anti-proliferative; vulnerary;
KW   immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis;
KW   hyperproliferative disorder; infectious disease; tissue regeneration;
KW   screening; food additive; preservative; wound healing;
KW   hyper-vascular disease; chromsome 11.
XX
OS   Homo sapiens.
XX
PN   WO200017222-A1.
XX
PD   30-MAR-2000.
XX
PF   22-SEP-1999;   99WO-US022012.
XX
PR   23-SEP-1998;   98US-0101546P.
PR   02-OCT-1998;   98US-0102895P.
XX
PA   (HUMA-) HUMAN GENOME SCI INC.
XX
PI   Ruben SM,  Rosen CA,  Duan RD,  Shi Y,  Lafleur DW,  Young PE,  Ni J;
PI   Komatsoulis G,  Endress GA,  Soppet DR;
XX
DR   WPI; 2000-283538/24.
DR   N-PSDB; AAA39087.
XX
PT   Human secreted proteins and coding sequences useful in diagnostic and
PT   therapeutic methods for disorders such as immune system or proliferative
PT   disorders, related to the proteins.
XX
PS   Claim 11; Page 376-377; 416pp; English.
XX
CC   The polynucleotide sequences given in AAA39052 to AAA39088 encode the
CC   human secreted proteins given in AAB08891 to AAB08984. The human secreted
CC   proteins can have activities based on the tissues and cells they are
CC   expressed in. Examples of the activities are: cytostatic; anti-
CC   proliferative; immunosuppressive; antibacterial; and vulnerary. The
CC   secreted proteins and their related polynucleotide sequences are useful
CC   for diagnostic and therapeutic methods useful for diagnosing and treating
CC   disorders related to the secreted proteins. The proteins, and
CC   polynucleotide sequences may be useful for treating disorders of the
CC   immune system, hyperproliferative disorders, infectious disease,
CC   regeneration of tissues, for chemotaxis and for screening molecules that
CC   bind to the proteins. The proteins or polynucleotide sequences may be
CC   used as food additives or preservatives, to increase or decrease storage
CC   capabilities, fat content, lipid, protein, carbohydrate, vitamins,
CC   minerals, co-factors or other nutritional components. Agonists or
CC   antagonists of the proteins may be used to prevent scar tissue growth
CC   during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051
CC   and AAB08890 are sequences used in the exemplification of the present
CC   invention
XX
SQ   Sequence 246 AA;

  Query Match             100.0%;  Score 1164;  DB 3;  Length 246;
  Best Local Similarity   100.0%;  Pred. No. 2e-81;
  Matches  222;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVAEL 222
              |||||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVAEL 245


RESULT 3
ADF83097
ID   ADF83097 standard; protein; 326 AA.
XX
AC   ADF83097;
XX
DT   26-FEB-2004  (first entry)
XX
DE   Human corticol thymocyte receptor CTXL, overexpressed in cancer.
XX
KW   Human; corticol thymocyte receptor; receptor; CTXL; cancer; cytostatic;
KW   vaccine; gene therapy.
XX
OS   Homo sapiens.
XX
PN   WO2003100000-A2.
XX
PD   04-DEC-2003.
XX
PF   22-MAY-2003; 2003WO-US016049.
XX
PR   24-MAY-2002; 2002US-0382606P.
PR   25-JUL-2002; 2002US-0398099P.
XX
PA   (TULA-) TULARIK INC.
XX
PI   Li J,  Mu D,  Yang J;
```

XX
DR WPI; 2004-035118/03.
DR N-PSDB; ADF83096.
DR GENBANK; XP_035095.
XX
PT Diagnosing a cancer in a mammal comprises determining RecQL5, CTXL,
PT USP13, MCL1, or Pellino 1 gene copy number in a biological sample from a
PT region of the mammal that is suspected to be precancerous or cancerous.
XX
PS Claim 54; SEQ ID NO 4; 174pp; English.
XX
CC The present sequence is the protein sequence of human corticol thymocyte
CC receptor (Xenopus laevis cts)-like (CTXL), previously known as a corticol
CC thymocyte marker in frogs, and a member of the immunoglobulin superfamily
CC having features of both antigen-specific receptors and adhesion
CC molecules. The invention is based on the finding of the overexpression of
CC CTXL and other genes (RecQL5, USP13, MCL1 and Pellino1) in certain
CC cancers, including breast cancer, colon cancer, lung cancer and ovarian
CC cancer, and the frequent amplification of these genes in cancer cells.
CC The genes, and their expression products, can be used diagnostically or
CC as targets for cancer therapy. They can also be used to identify and
CC design compounds useful in the diagnosis, prevention and therapy of
CC tumours and cancers, in vaccine development, and in methods for
CC determining the efficacy of a treatment regime. A claimed method for
CC inhibiting cancer or precancerous growth, especially in colon, ovarian or
CC breast tissue, uses an inhibitor that interacts with CTXL DNA or RNA. The
CC inhibitor is a small interfering RNA (siRNA), microRNA (miRNA), an
CC antisense RNA, and antisense DNA, a decoy molecule, a decoy DNA, a
CC ribozyme or small molecule.
XX
SQ Sequence 326 AA;

Query Match 99.2%; Score 1155; DB 8; Length 326;
Best Local Similarity 100.0%; Pred. No. 1.4e-80;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         23 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 82

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         83 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 142

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        143 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 202

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              ||||||||||||||||||||||||||||||||||||||||
Db        203 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 242
```

RESULT 4
AAY87251
ID AAY87251 standard; protein; 327 AA.
XX
AC AAY87251;
XX
DT 11-MAY-2000 (first entry)
XX
DE Human signal peptide containing protein HSPP-28 SEQ ID NO:28.
XX
KW Human; signal peptide-containing protein; HSPP; diagnosis; cancer;
KW inflammation; cardiovascular disease; anticancer; anti-inflammatory;
KW antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic;
KW antiasthmatic; gene therapy; cell proliferation; neurological disorder;
KW reproductive disorder; developmental disorder; arteriosclerosis;
KW cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;
KW asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;
KW Parkinson's disease; Huntington's diseases; ovulatory defect;
KW muscular dystrophy.
XX
OS Homo sapiens.
XX
PN WO200000610-A2.
XX
PD 06-JAN-2000.
XX
PF 25-JUN-1999; 99WO-US014484.
XX
PR 26-JUN-1998; 98US-0090762P.
PR 31-JUL-1998; 98US-0094983P.
PR 01-OCT-1998; 98US-0102686P.
PR 11-DEC-1998; 98US-0112129P.
XX
PA (INCY-) INCYTE PHARM INC.
XX
PI Lal P, Tang YT, Gorgone GA, Corley NC, Guegler KJ, Baughn MR;
PI Akerblom IE, Au-Young J, Yue H, Patterson C, Reddy R, Hillman JL;
PI Bandman O;
XX
DR WPI; 2000-160673/14.
DR N-PSDB; AAZ98136.
XX
PT New human signal peptide-containing proteins useful in treatment,
PT prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
PT disease.
XX
PS Claim 1; Page 177-178; 327pp; English.
XX
CC AAZ98109 to AAZ98242 encode AAY87224 to AAY87357 which represent the
CC human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have
CC anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic,
CC neuroprotective, cardiovascular and antiasthmatic activities, and can be
CC used in gene therapy. HSPPs can be used to treat or prevent disorders
CC associated with decreased activity or function of HSPP. Antagonists of
CC HSPP are used to treat or prevent disorders associated with increased
CC activity or function of HSPP. Such diseases include cell proliferation
CC (including cancer), inflammation, cardiovascular, neurological,
CC reproductive or developmental disorders, (e.g. arteriosclerosis,
CC cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia,
CC asthma, Crohn's disease, microbial or other infections, congestive or
CC ischaemic heart disease, Alzheimer's, Parkinson's or Huntington's
CC diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP
CC nucleic acids can be used for the recombinant production of HSPP, for
CC detecting HSPP in standard hybridisation and amplification assays (for
CC diagnosis and monitoring), in gene therapy, as antisense, triplex-forming
CC or ribozyme therapeutics, for detecting related sequences or genetic
CC variations, and for chromosomal mapping. HSPP are also used to raise
CC specific antibodies (Ab) and to screen for agonists and antagonists
CC (potential therapeutic agents). Ab are used to diagnose, or monitor, HSPP
CC -related diseases (in usual immunoassays), as therapeutic antagonists, in
CC competitive drug screens, and for purification of HSPP from natural
CC sources
XX
SQ Sequence 327 AA;

Query Match 99.2%; Score 1155; DB 3; Length 327;
Best Local Similarity 100.0%; Pred. No. 1.4e-80;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              ||||||||||||||||||||||||||||||||||||||||
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```
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

RESULT 5
AAY94857
ID   AAY94857 standard; protein; 327 AA.
XX
AC   AAY94857;
XX
DT   12-JUN-2000  (first entry)
XX
DE   Human protein clone HP10568.
XX
KW   Human protein; hydrophobic domain; nutritional source; haematopoiesis;
KW   cytokine production; cell proliferation; cell differentiation;
KW   immune deficiency; infectious disease; autoimmune disorder; asthma;
KW   multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis;
KW   allergic reaction; osteoporosis; osteoarthritis; periodontal disease;
KW   nervous system disorder; Alzheimer's disease; Parkinson's disease;
KW   Huntington's disease; liver fibrosis; lung fibrosis; reperfusion injury;
KW   systemic cytokine damage; tissue differentiation; contraceptive; stroke;
KW   coagulation disorder; myocardial infarction; inflammatory condition;
KW   septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour;
KW   nephritis; therapy.
XX
OS   Homo sapiens.
XX
PN   WO200005367-A2.
XX
PD   03-FEB-2000.
XX
PF   22-JUL-1999;   99WO-JP003929.
XX
PR   24-JUL-1998;   98JP-00208820.
PR   07-AUG-1998;   98JP-00224105.
PR   25-AUG-1998;   98JP-00238116.
PR   09-SEP-1998;   98JP-00254736.
PR   29-SEP-1998;   98JP-00275505.
XX
PA   (SAGA ) SAGAMI CHEM RES CENT.
PA   (PROT-) PROTEGENE INC.
XX
PI   Kato S,  Kimura T;
XX
DR   WPI; 2000-182694/16.
XX
PT   Novel human proteins having hydrophobic domains useful for treating
PT   osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple
PT   sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.
XX
PS   Claim 1; Page 183-184; 351pp; English.
XX
CC   This sequence represents a human protein of the invention, which has
CC   hydrophobic domains. The DNA sequences can be used as a probe or as a
CC   genetic marker. The protein can also be used as a marker, and to identify
CC   potential genetic disorders. The DNA and protein can also be used as
CC   nutritional sources or supplements. The protein exhibits cytokine, cell
CC   proliferation, cell differentiation activities and induces production of
CC   other cytokines in certain cell populations. The protein also exhibits
CC   immune stimulating or immune suppressing activity. It can be used in the
CC   treatment of various immune deficiencies and disorders, and to treat
CC   infectious diseases caused by viral, bacterial, fungal or other
CC   infections. The protein is also used for treating autoimmune disorders
CC   such as multiple sclerosis, systemic lupus erythematosus, and rheumatoid
CC   arthritis. It is also useful in the treatment of allergic reactions and
CC   conditions such as asthma, and in immune suppression after organ
CC   transplantation. The protein is useful in regulation of haematopoiesis
CC   and consequently in the treatment of myeloid or lymphoid cell
CC   deficiencies. It is also used in compositions for tissue growth or
CC   regeneration. The protein is also used in the treatment of osteoporosis
CC   or osteoarthritis and in the treatment of periodontal disease and other
CC   tooth repair processes. The protein is used in the treatment of nervous
CC   system disorders such as Alzheimer's disease, Parkinson's disease, and
CC   Huntington's disease. They are useful for protection or regeneration and
CC   treatment of lung or liver fibrosis, reperfusion injury in various
CC   tissues, and conditions resulting from systemic cytokine damage. They are
CC   also used for promoting or inhibiting tissue differentiation. They are
CC   also used as contraceptives since they exhibit activin or inhibin related
CC   activities and as a fertility inducing therapeutic. They are used for
CC   treating various coagulation disorders and in treatment and prevention of
CC   conditions resulting from coagulation activities e.g. myocardial
CC   infarction or stroke. They also acts as receptors, receptor ligands or
CC   inhibitors or agonists of receptor/ligand interactions. They are used to
CC   treat inflammatory conditions such as septic shock, sepsis, ischaemia
CC   reperfusion injury, arthritis, and nephritis. They can be used to prevent
CC   tumours
XX
SQ   Sequence 327 AA;

  Query Match             99.2%;  Score 1155;  DB 3;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-80;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              |||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 6
AAY97585
ID   AAY97585 standard; protein; 327 AA.
XX
AC   AAY97585;
XX
DT   05-APR-2001  (first entry)
XX
DE   Human secreted protein PRO7154.
XX
KW   Secreted protein; human; PRO protein; neoplastic cell growth; tumour;
KW   proliferation; leukaemia; lymphoid malignancy; inflammatory disorder;
KW   angiogenic disorder; immunologic disorder; PRO7154.
XX
OS   Homo sapiens.
XX
PN   WO200075317-A2.
XX
PD   14-DEC-2000.
XX
PF   15-MAY-2000; 2000WO-US013358.
XX
PR   09-JUN-1999;   99US-0138385P.
PR   20-JUL-1999;   99US-0144790P.
PR   03-AUG-1999;   99US-0146843P.
PR   10-AUG-1999;   99US-0148188P.
PR   17-AUG-1999;   99US-0149320P.
PR   17-AUG-1999;   99US-0149327P.
PR   17-AUG-1999;   99US-0149396P.
PR   20-AUG-1999;   99US-0150114P.
PR   31-AUG-1999;   99US-0151700P.
PR   31-AUG-1999;   99US-0151734P.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Botstein DA,  Goddard A,  Gurney AL,  Smith V,  Watanabe CK,  Wood WI;
```

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XX
DR   WPI; 2001-071075/08.
DR   N-PSDB; AAA91019.
XX
PT   Antibodies against PRO polypeptides, useful for diagnosing and treating
PT   tumors are associated with gene amplification, neoplastic cell growth and
PT   proliferation in mammals.
XX
PS   Claim 61; Fig 12; 143pp; English.
XX
CC   This sequence is a human PRO protein of the invention. The PRO proteins
CC   are secreted proteins. Antagonists or antibodies of PRO polypeptides are
CC   useful for diagnosing and treating tumours are associated with gene
CC   amplification, neoplastic cell growth and proliferation in mammals, and
CC   those conditions characterised by overexpression and/or activation of the
CC   amplified genes. Such conditions include benign or malignant tumours
CC   (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian,
CC   colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic
CC   carcinomas, sarcomas, glioblastomas and various head and neck tumours);
CC   leukaemias and lymphoid malignancies; neuronal, glial, astrocytal,
CC   hypothalamic, and other glandular, macrophageal, epithelial, stromal and
CC   blastocoelic disorders; and inflammatory, angiogenic and immunologic
CC   disorders. These may further be used to qualitatively or quantitatively
CC   detect the expression of proteins encoded by the amplified genes, and in
CC   tumour diagnostics or prognostics. The PRO polypeptide or its antagonist
CC   may be used for the preparation of a medicament in the treatment of a
CC   condition, which is responsive to the PRO polypeptide, its antagonist or
CC   anti-PRO antibody
XX
SQ   Sequence 327 AA;

  Query Match             99.2%;  Score 1155;  DB 4;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-80;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              ||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 7
ABB90354
ID   ABB90354 standard; protein; 327 AA.
XX
AC   ABB90354;
XX
DT   24-MAY-2002  (first entry)
XX
DE   Human polypeptide SEQ ID NO 2730.
XX
KW   Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral;
KW   antiallergic; hepatotropic; antidiabetic; antiinflammatory; antiulcer;
KW   vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic;
KW   cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder;
KW   neurological disease; infection; human; secreted protein.
XX
OS   Homo sapiens.
XX
PN   WO200190304-A2.
XX
PD   29-NOV-2001.
XX
PF   18-MAY-2001; 2001WO-US016450.
XX
PR   19-MAY-2000; 2000US-0205515P.
XX
PA   (HUMA-) HUMAN GENOME SCI INC.
XX
PI   Birse CE,  Rosen CA;
XX
DR   WPI; 2002-122018/16.
DR   N-PSDB; ABL90763.
XX
PT   Novel 1405 isolated polypeptides, useful for diagnosis, treatment and
PT   prevention of neural, immune system, muscular, reproductive,
PT   gastrointestinal, pulmonary, cardiovascular, renal and proliferative
PT   disorders.
XX
PS   Claim 11; SEQ ID NO 2730; 2081pp + Sequence Listing; English.
XX
CC   The invention relates to novel genes (ABL89449-ABL90853) and proteins
CC   (ABB89040-ABB90444) useful for preventing, treating or ameliorating
CC   medical conditions e.g. by protein or gene therapy. The genes are
CC   isolated from a range of human tissues disclosed in the specification.
CC   The nucleic acids, proteins, antibodies and (ant)agonists are useful in
CC   the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and
CC   ovarian cancer and other cancers of the adrenal gland, bone, bone marrow,
CC   breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune
CC   disorders e.g. Addison's disease, allergies, autoimmune haemolytic
CC   anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease,
CC   multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c)
CC   cardiovascular disorders such as myocardial ischaemias; (d) wound healing
CC   ; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f)
CC   infectious diseases such as viral, bacterial, fungal and parasitic
CC   infections. Note: The sequence data for this patent did not form part of
CC   the printed specification, but was obtained in electronic format directly
CC   from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX
SQ   Sequence 327 AA;

  Query Match             99.2%;  Score 1155;  DB 5;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-80;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              ||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 8
AAU83709
ID   AAU83709 standard; protein; 327 AA.
XX
AC   AAU83709;
XX
DT   08-MAY-2002  (first entry)
XX
DE   Human PRO protein, Seq ID No 236.
XX
KW   Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW   breast cancer; prostate tumour; rectal tumour; liver tumour;
KW   pericyte cell proliferation; chondrocyte cell proliferation;
```

```
KW   tumour necrosis factor-alpha.
XX
OS   Homo sapiens.
XX
PN   WO200208288-A2.
XX
PD   31-JAN-2002.
XX
PF   29-JUN-2001; 2001WO-US021066.
XX
PR   20-JUL-2000; 2000US-0219556P.
PR   25-JUL-2000; 2000US-0220585P.
PR   25-JUL-2000; 2000US-0220605P.
PR   25-JUL-2000; 2000US-0220607P.
PR   25-JUL-2000; 2000US-0220624P.
PR   25-JUL-2000; 2000US-0220638P.
PR   25-JUL-2000; 2000US-0220664P.
PR   25-JUL-2000; 2000US-0220666P.
PR   26-JUL-2000; 2000US-0220893P.
PR   28-JUL-2000; 2000WO-US020710.
PR   01-AUG-2000; 2000US-0222425P.
PR   22-AUG-2000; 2000US-0227133P.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   10-NOV-2000; 2000WO-US030873.
PR   28-NOV-2000; 2000US-0253646P.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   22-MAR-2001; 2001US-00816744.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   25-MAY-2001; 2001WO-US017092.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI   Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR   WPI; 2002-172001/22.
DR   N-PSDB; ABK33653.
XX
PT   One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT   useful for treating a PRO related disorder and for diagnosing tumors such
PT   as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
PT   or liver tumor.
XX
PS   Claim 11; Fig 236; 359pp; English.
XX
CC   The invention relates to one hundred and twenty two nucleic acids
CC   encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
CC   encode human secreted proteins. The PRO nucleic acids, polypeptides,
CC   agonists and antagonists are useful for treating a PRO related disorder.
CC   The PRO polypeptides are useful for diagnosing tumours, especially lung
CC   cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
CC   liver tumour. The PRO polypeptides are useful for stimulating the
CC   proliferation of, or gene expression, in pericyte cells, for stimulating
CC   the proliferation or differentiation of chondrocyte cells, for
CC   stimulating the release of tumour necrosis factor-alpha from human blood,
CC   for stimulating or inhibiting the proliferation of normal human dermal
CC   fibroblast cells. The PRO polypeptide may also be used as molecular
CC   weight markers and for tissue typing. The PRO nucleic acids have
CC   applications in molecular biology, including use as hybridisation probes,
CC   and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO
CC   protein sequences of the invention
XX
SQ   Sequence 327 AA;

  Query Match             99.2%;  Score 1155;  DB 5;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-80;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              |||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 9
ABU80856
ID   ABU80856 standard; protein; 327 AA.
XX
AC   ABU80856;
XX
DT   23-JUN-2003  (first entry)
XX
DE   Human PRO polypeptide #118.
XX
KW   Human; PRO polypeptide; secreted and transmembrane protein;
KW   anti-PRO antibody; diagnostic assay; gene expression; tumour; cytostatic.
XX
OS   Homo sapiens.
XX
PN   US2003036635-A1.
XX
PD   20-FEB-2003.
XX
PF   28-AUG-2002; 2002US-00230163.
XX
PR   25-JUL-2000; 2000US-0220638P.
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI   Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR   WPI; 2003-342045/32.
DR   N-PSDB; ACA66958.
XX
PT   One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT   useful for the manufacture of a medicament for diagnosing or treating
PT   tumor.
XX
PS   Claim 11; Fig 236; 314pp; English.
XX
CC   The present invention relates to the isolation of novel human PRO
CC   polypeptides, and the polynucleotide sequences encoding them. The PRO
CC   polypeptides are secreted and transmembrane proteins. The PRO
CC   polypeptides and polynucleotides are useful for preparing a medicament
CC   useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are
CC   useful in diagnostic assays for PRO, by detecting its expression in
CC   specific cells, tissues or serum, and for affinity purification of PRO
CC   from recombinant cell culture or natural sources. ABU80739-ABU80860
CC   represent the human PRO polypeptides of the invention. Note: The sequence
CC   data for this patent was obtained in electronic format directly from the
CC   USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
XX
SQ   Sequence 327 AA;

  Query Match             99.2%;  Score 1155;  DB 6;  Length 327;
```

```
  Best Local Similarity   100.0%;  Pred. No. 1.4e-80;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              |||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 10
ABO33822
ID   ABO33822 standard; protein; 327 AA.
XX
AC   ABO33822;
XX
DT   17-SEP-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   Human; secreted and transmembrane protein; PRO; cytostatic;
KW   antiarthritic; osteopathic; gene therapy; TNF-Agonist-Alpha;
KW   chondrocyte stimulator; pericyte stimulator; fibroblast modulator;
KW   pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour;
KW   colon tumour; breast tumour; prostate tumour; rectal tumour;
KW   liver tumour; bone disorder; cartilage disorder; sports injury;
KW   arthritis; wound.
XX
OS   Homo sapiens.
XX
PN   US2003045687-A1.
XX
PD   06-MAR-2003.
XX
PF   12-AUG-2002; 2002US-00218631.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-512315/48.
DR   N-PSDB; ACD68710.
XX
PT   New genes, and its encoded secreted and transmembrane polypeptides,
PT   useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or
PT   pericyte proliferation, especially for treating lung tumors, arthritis or
PT   wounds in a mammal.
XX
PS   Claim 11; Fig 236; 314pp; English.
XX
CC   The invention describes an isolated nucleic acid molecule comprising a
CC   sequence with at least 80% identity to: (a) a nucleotide encoding any of
CC   122 PRO (secreted and transmembrane) polypeptides whose sequences are
CC   fully defined in the specification; or (b) any of 122 nucleotide
CC   sequences having e.g. 4834, 2504 or 1759 bp fully defined in the
CC   specification; or the full length coding sequence of any these 122
CC   nucleotide sequences. The PRO polypeptides or polynucleotides are useful
CC   as pharmaceuticals, diagnostics, biosensors or bioreactors. These are
CC   particularly useful for detecting tumours (e.g. lung tumour, colon
CC   tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)
CC   in a mammal, for stimulating the release of TNF-alpha from human blood,
CC   for stimulating the proliferation or differentiation of chondrocyte
CC   cells, for stimulating proliferation of pericyte cells, or for modulating
CC   normal human dermal fibroblast proliferation. The PRO nucleic acid or
CC   polypeptide is also useful for treating tumours or various bone and/or
CC   cartilage disorders (e.g. sports injuries or arthritis), or wounds. The
CC   PRO polypeptides are useful in drug screening, particularly as targets
CC   for therapeutic intervention in these diseases, and in the diagnostic
CC   determination of the presence of these diseases. The PRO polypeptides are
CC   also useful as molecular weight markers, or for chromosome
CC   identification. The PRO genes are useful as hybridisation probes, or for
CC   screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
CC   also be used in gene therapy, particularly for replacing a defective
CC   gene. This is the amino acid sequence of a novel human secreted and
CC   transmembrane PRO polypeptide
XX
SQ   Sequence 327 AA;

  Query Match             99.2%;  Score 1155;  DB 6;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-80;
  Matches  220;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              |||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243


RESULT 11
ABU82165
ID   ABU82165 standard; protein; 327 AA.
XX
AC   ABU82165;
XX
DT   25-JUN-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   Human; secreted and transmembrane protein; PRO; cardiant; cytostatic;
KW   antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic;
KW   gene therapy; cardiovascular disorder; endothelial disorder;
KW   angiogenic disorder; cardiac hypertrophy; trauma; cancer;
KW   age-related macular degeneration; atherosclerosis; hypertension;
KW   arterial restenosis; rheumatoid arthritis; angina; myocardial infarction;
KW   thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma;
KW   liver carcinoma; wound healing; chromosome mapping; gene mapping.
XX
OS   Homo sapiens.
XX
PN   US2003088063-A1.
XX
PD   08-MAY-2003.
XX
PF   12-AUG-2002; 2002US-00219003.
XX
PR   25-JUL-2000; 2000US-0220664P.
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
```

PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-393229/37.
DR N-PSDB; ACA68614.
XX
PT One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal.
XX
PS Claim 11; Fig 236; 314pp; English.
XX
CC The invention describes one hundred and eighty seven nucleic acids
CC encoding novel human secreted and transmembrane (PRO) polypeptides. The
CC PRO nucleic acids, polypeptides, agonists and antagonists are useful for
CC treating or diagnosing a cardiovascular, endothelial or angiogenic
CC disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-
CC related macular degeneration, atherosclerosis, hypertension, arterial
CC restenosis, rheumatoid arthritis, angina, myocardial infarctions,
CC thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast
CC carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids
CC have applications in molecular biology, including use as hybridisation
CC probes, and in chromosome and gene mapping. This is the amino acid
CC sequence of a novel human secreted and transmembrane PRO polypeptide
XX
SQ Sequence 327 AA;

Query Match 99.2%; Score 1155; DB 6; Length 327;
Best Local Similarity 100.0%; Pred. No. 1.4e-80;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
Db 24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy 61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
Db 84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy 121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
Db 144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy 181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
Db 204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

RESULT 12
ABJ72345
ID ABJ72345 standard; protein; 327 AA.
XX
AC ABJ72345;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human PRO7154 protein.
XX
KW PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte;
KW differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
XX
OS Homo sapiens.
XX
PN US2003050448-A1.
XX
PD 13-MAR-2003.
XX
PF 28-AUG-2002; 2002US-00230414.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-521818/49.
DR N-PSDB; ABT44343.
XX
PT New nucleic acid encoding for a PRO protein, useful for the manufacture
PT of a medicament for diagnosing or treating tumors or for measuring or
PT detecting expression of an associated gene.
XX
PS Claim 11; Fig 236; 315pp; English.
XX
CC The invention relates to a novel isolated nucleic acid encoding a fully
CC defined PRO polypeptide. The molecules of the invention may be useful for
CC stimulating proliferation or gene expression in pericyte cells or the
CC release of TNF-alpha from human blood. Other possible uses include the
CC stimulation or inhibition of chondrocyte proliferation or
CC differentiation, the stimulation of human dermal fibroblast cell
CC proliferation and the detection of the presence of a tumour within a
CC mammal. Furthermore, the nucleic acid may be useful for the manufacture
CC of a medicament for diagnosing or treating a tumour within a mammal or
CC for measuring or detecting the expression of an associated gene, as well
CC as during gene therapy. The current sequence is that of the human PRO
CC protein of the invention
XX
SQ Sequence 327 AA;

Query Match 99.2%; Score 1155; DB 6; Length 327;
Best Local Similarity 100.0%; Pred. No. 1.4e-80;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
Db 24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy 61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
Db 84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy 121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
Db 144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy 181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
Db 204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

RESULT 13
ABJ72473
ID ABJ72473 standard; protein; 327 AA.
XX
AC ABJ72473;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human PRO7154 protein.
XX
KW PRO; blood; proliferation; pericyte cell; TNF alpha; chondrocyte;
KW tumour necrosis factor; proliferation; differentiation; gene therapy;
KW dermal fibroblast.
XX
OS Homo sapiens.
XX
PN US2003027988-A1.
XX
PD 06-FEB-2003.
XX
PF 26-AUG-2002; 2002US-00227884.

XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-503301/47.
DR N-PSDB; ABT44626.
XX
PT New PRO protein encoding nucleic acid, useful for preparing PRO
PT polypeptides and anti-PRO antibodies for detecting the presence of a
PT tumor in a mammal.
XX
PS Claim 11; Fig 236; 324pp; English.
XX
CC The invention relates to a novel isolated PRO protein encoding nucleic
CC acid. The nucleic acid of the invention may be useful for preparing PRO
CC polypeptides and anti-PRO antibodies for detecting the presence of a
CC tumour in a mammal. Furthermore, the molecules of the invention may be
CC useful for stimulating proliferation or gene expression in pericyte
CC cells, the release of tumour necrosis factor (TNF)-alpha from human
CC blood, the proliferation or differentiation of chondrocyte cells and for
CC inhibiting the proliferation of normal human dermal fibroblast cells.
CC Finally, the molecules may be utilised during gene therapy. The current
CC sequence is that of the human PRO protein of the invention
XX
SQ Sequence 327 AA;

Query Match 99.2%; Score 1155; DB 6; Length 327;
Best Local Similarity 100.0%; Pred. No. 1.4e-80;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              ||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
```

RESULT 14
ABO34368
ID ABO34368 standard; protein; 327 AA.
XX
AC ABO34368;
XX
DT 19-SEP-2003 (first entry)
XX
DE Human secreted/transmembrane polypeptide PRO 7154.
XX
KW Human; chondrocyte stimulation; TNF-alpha stimulation; gene therapy;
KW human dermal fibroblast stimulation; tumour; tissue typing;
KW affinity purification.
XX
OS Homo sapiens.
XX
PN US2003044934-A1.
XX
PD 06-MAR-2003.
XX
PF 28-AUG-2002; 2002US-00230338.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-492274/46.
DR N-PSDB; ACD82293.
XX
PT New transmembrane polypeptides and nucleic acids encoding the
PT polypeptides, useful in gene therapy, in chromosome identification, as
PT chromosome markers, or in generating probes.
XX
PS Claim 19; Fig 236; 315pp; English.
XX
CC The invention relates to an isolated nucleic acid encoding a PRO
CC polypeptide. Nucleic acids that encode PRO can be used to generate either
CC transgenic animals or knock-out animals useful in developing and
CC screening of therapeutically useful reagents. The nucleic acids may also
CC be used in gene therapy for replacing defective gene, in chromosome
CC identification, as chromosome markers, or in generating probes to isolate
CC full length PRO cDNA. The PRO polypeptides are useful for chondrocyte
CC stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation
CC and for detecting the presence of tumour in an mammal. The PRO
CC polypeptides are useful as molecular markers for protein electrophoresis
CC and the isolated nucleic acids may be used for recombinantly expressing
CC those markers. The PRO polypeptides and nucleic acids may also be used in
CC tissue typing. Anti-PRO antibodies are useful in diagnostic assays for
CC PRO and in affinity purification of PRO from recombinant cell culture or
CC natural sources. The present sequence represents the amino acid sequence
CC of a human secreted/transmembrane PRO polypeptide
XX
SQ Sequence 327 AA;

Query Match 99.2%; Score 1155; DB 6; Length 327;
Best Local Similarity 100.0%; Pred. No. 1.4e-80;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              ||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
```

RESULT 15
ABJ72175
ID ABJ72175 standard; protein; 327 AA.
XX
AC ABJ72175;
XX
DT 16-OCT-2003 (first entry)
XX
DE Human membrane bound receptor/protein PRO7154 amino acid sequence.
XX
KW Human; PRO; membrane bound protein; membrane bound receptor;
KW cell proliferation; cell migration; cell differentiation;
KW mitogenic factor; survival factor; cytotoxic factor;

KW differentiation factor; neuropeptide; hormone; cell receptor;
KW receptor-ligand interaction; cytostatic; chondrocyte; tumour.
XX
OS Homo sapiens.
XX
PN US2003065147-A1.
XX
PD 03-APR-2003.
XX
PF 29-AUG-2002; 2002US-00232224.
XX
PR 28-JUL-1999; 99US-0146222P.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-522018/49.
DR N-PSDB; ABT43999.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for the manufacture of a medicament for diagnosing or treating
PT tumor.
XX
PS Claim 11; Fig 236; 315pp; English.
XX
CC This invention relates to one hundred and twenty two novel nucleic acids
CC encoding human PRO membrane bound proteins or receptors. Extracellular
CC proteins play important roles in the formation, differentiation and
CC maintenance of multicellular organisms. The fate of many individual cells
CC (for example proliferation, migration or differentiation) is typically
CC governed by information received from other cells and the immediate
CC environment. The information is often transmitted by secreted
CC polypeptides (for example mitogenic factors, survival factors, cytotoxic
CC factors, differentiation factors, neuropeptides and hormones) which are
CC received and interpreted by diverse cell receptors or membrane bound
CC proteins. These membrane bound proteins and receptors may be of use as
CC pharmaceutical and diagnostic agents, such as in the blocking of receptor
CC -ligand interactions. The current invention provides the amino acid
CC sequences of novel human membrane bound receptors and proteins, along
CC with the cDNA sequences encoding them. The novel proteins of the
CC invention may have cytostatic activities through the stimulation of
CC chondrocytes. The nucleic acids of the invention may be useful for the
CC manufacture of a medicament for diagnosing or treating a tumour in a
CC mammal. In addition, they may be useful for measuring or detecting the
CC expression of a tumour associated gene. The present sequence is the amino
CC acid sequence of a human PRO protein of the invention
XX
SQ Sequence 327 AA;

Query Match 99.2%; Score 1155; DB 7; Length 327;
Best Local Similarity 100.0%; Pred. No. 1.4e-80;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 83

Qy         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143

Qy        121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203

Qy        181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
              |||||||||||||||||||||||||||||||||||||||||
Db        204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
```

Search completed: August 4, 2005, 06:07:08
Job time : 68.7067 secs

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: August 4, 2005, 05:53:15 ; Search time 74.7214 Seconds
(without alignments)
1268.128 Million cell updates/sec

Title: US-10-607-565-83_COPY_1_245
Perfect score: 1286
Sequence: 1 MAELPGPFLCGALLGFLCLS.....ASCELTLSVTEPSQGRVAEL 245

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_16Dec04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1286	100.0	245	3	AAB08940	Aab08940 Human sec
2	1286	100.0	246	3	AAB08926	Aab08926 Human sec
3	1277	99.3	327	3	AAY87251	Aay87251 Human sig
4	1277	99.3	327	3	AAY94857	Aay94857 Human pro
5	1277	99.3	327	4	AAY97585	Aay97585 Human sec
6	1277	99.3	327	5	ABB90354	Abb90354 Human pol
7	1277	99.3	327	5	AAU83709	Aau83709 Human PRO
8	1277	99.3	327	6	ABU80856	Abu80856 Human PRO
9	1277	99.3	327	6	ABO33822	Abo33822 Novel hum
10	1277	99.3	327	6	ABU82165	Abu82165 Novel hum
11	1277	99.3	327	6	ABJ72345	Abj72345 Human PRO
12	1277	99.3	327	6	ABJ72473	Abj72473 Human PRO
13	1277	99.3	327	6	ABO34368	Abo34368 Human sec
14	1277	99.3	327	7	ABJ72175	Abj72175 Human mem
15	1277	99.3	327	7	ADB83726	Adb83726 Novel hum
16	1277	99.3	327	7	ADB80832	Adb80832 Novel hum
17	1277	99.3	327	7	ADB73373	Adb73373 Novel hum
18	1277	99.3	327	7	ADB78455	Adb78455 Novel hum
19	1277	99.3	327	7	ADB85103	Adb85103 Human PRO
20	1277	99.3	327	7	ADB78209	Adb78209 Novel hum
21	1277	99.3	327	7	ADB87275	Adb87275 Human PRO
22	1277	99.3	327	7	ADB84857	Adb84857 Human PRO
23	1277	99.3	327	7	ADB83972	Adb83972 Novel hum
24	1277	99.3	327	7	ADB73127	Adb73127 Novel hum
25	1277	99.3	327	7	ADC36965	Adc36965 Human PRO
26	1277	99.3	327	7	ADC21955	Adc21955 Human PRO
27	1277	99.3	327	7	ADC49986	Adc49986 Novel hum
28	1277	99.3	327	7	ADC49185	Adc49185 Novel hum
29	1277	99.3	327	7	ADC49702	Adc49702 Novel hum
30	1277	99.3	327	7	ADC47563	Adc47563 Novel hum
31	1277	99.3	327	7	ADC47308	Adc47308 Novel hum
32	1277	99.3	327	7	ADC78183	Adc78183 Novel hum
33	1277	99.3	327	7	ADD06418	Add06418 Novel hum
34	1277	99.3	327	7	ADC77937	Adc77937 Novel hum
35	1277	99.3	327	7	ADD50900	Add50900 Novel hum
36	1277	99.3	327	7	ADD51146	Add51146 Novel hum
37	1277	99.3	327	7	ADD50627	Add50627 Human PRO
38	1277	99.3	327	7	ADD50381	Add50381 Human PRO
39	1277	99.3	327	7	ADD51392	Add51392 Novel hum
40	1277	99.3	327	8	ADC48939	Adc48939 Novel hum
41	1277	99.3	327	8	ADE21110	Ade21110 Novel hum
42	1277	99.3	327	8	ADE05954	Ade05954 Human PRO
43	1277	99.3	327	8	ADD75183	Add75183 Human PRO
44	1277	99.3	327	8	ADD75929	Add75929 Novel hum
45	1277	99.3	327	8	ADD85161	Add85161 Novel hum

ALIGNMENTS

RESULT 1
AAB08940
ID AAB08940 standard; protein; 245 AA.
XX
AC AAB08940;
XX
DT 30-AUG-2000 (first entry)
XX
DE Human secreted protein sequence encoded by gene 13 SEQ ID NO:97.
XX
KW Human; secreted protein; cytostatic; anti-proliferative; vulnerary;
KW immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis;
KW hyperproliferative disorder; infectious disease; tissue regeneration;
KW screening; food additive; preservative; wound healing;
KW hyper-vascular disease; chromsome 11.
XX
OS Homo sapiens.
XX
PN WO200017222-A1.
XX
PD 30-MAR-2000.
XX
PF 22-SEP-1999; 99WO-US022012.
XX
PR 23-SEP-1998; 98US-0101546P.
PR 02-OCT-1998; 98US-0102895P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Ruben SM, Rosen CA, Duan RD, Shi Y, Lafleur DW, Young PE, Ni J;
PI Komatsoulis G, Endress GA, Soppet DR;
XX
DR WPI; 2000-283538/24.
XX
PT Human secreted proteins and coding sequences useful in diagnostic and
PT therapeutic methods for disorders such as immune system or proliferative
PT disorders, related to the proteins.
XX
PS Disclosure; Page 40; 416pp; English.
XX
CC The polynucleotide sequences given in AAA39052 to AAA39088 encode the
CC human secreted proteins given in AAB08891 to AAB08984. The human secreted
CC proteins can have activities based on the tissues and cells they are
CC expressed in. Examples of the activities are: cytostatic; anti-
CC proliferative; immunosuppressive; antibacterial; and vulnerary. The
CC secreted proteins and their related polynucleotide sequences are useful
CC for diagnostic and therapeutic methods useful for diagnosing and treating
CC disorders related to the secreted proteins. The proteins, and

```
CC   polynucleotide sequences may be useful for treating disorders of the
CC   immune system, hyperproliferative disorders, infectious disease,
CC   regeneration of tissues, for chemotaxis and for screening molecules that
CC   bind to the proteins. The proteins or polynucleotide sequences may be
CC   used as food additives or preservatives, to increase or decrease storage
CC   capabilities, fat content, lipid, protein, carbohydrate, vitamins,
CC   minerals, co-factors or other nutritional components. Agonists or
CC   antagonists of the proteins may be used to prevent scar tissue growth
CC   during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051
CC   and AAB08890 are sequences used in the exemplification of the present
CC   invention
XX
SQ   Sequence 245 AA;

  Query Match             100.0%;  Score 1286;  DB 3;  Length 245;
  Best Local Similarity   100.0%;  Pred. No. 6.1e-85;
  Matches  245;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAEL 245
              |||||
Db        241 RVAEL 245


RESULT 2
AAB08926
ID   AAB08926 standard; protein; 246 AA.
XX
AC   AAB08926;
XX
DT   30-AUG-2000  (first entry)
XX
DE   Human secreted protein sequence encoded by gene 13 SEQ ID NO:83.
XX
KW   Human; secreted protein; cytostatic; anti-proliferative; vulnerary;
KW   immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis;
KW   hyperproliferative disorder; infectious disease; tissue regeneration;
KW   screening; food additive; preservative; wound healing;
KW   hyper-vascular disease; chromsome 11.
XX
OS   Homo sapiens.
XX
PN   WO200017222-A1.
XX
PD   30-MAR-2000.
XX
PF   22-SEP-1999;   99WO-US022012.
XX
PR   23-SEP-1998;   98US-0101546P.
PR   02-OCT-1998;   98US-0102895P.
XX
PA   (HUMA-) HUMAN GENOME SCI INC.
XX
PI   Ruben SM,  Rosen CA,  Duan RD,  Shi Y,  Lafleur DW,  Young PE,  Ni J;
PI   Komatsoulis G,  Endress GA,  Soppet DR;
XX
DR   WPI; 2000-283538/24.
DR   N-PSDB; AAA39087.
XX
PT   Human secreted proteins and coding sequences useful in diagnostic and
PT   therapeutic methods for disorders such as immune system or proliferative
PT   disorders, related to the proteins.
XX
PS   Claim 11; Page 376-377; 416pp; English.
XX
CC   The polynucleotide sequences given in AAA39052 to AAA39088 encode the
CC   human secreted proteins given in AAB08891 to AAB08984. The human secreted
CC   proteins can have activities based on the tissues and cells they are
CC   expressed in. Examples of the activities are: cytostatic; anti-
CC   proliferative; immunosuppressive; antibacterial; and vulnerary. The
CC   secreted proteins and their related polynucleotide sequences are useful
CC   for diagnostic and therapeutic methods useful for diagnosing and treating
CC   disorders related to the secreted proteins. The proteins, and
CC   polynucleotide sequences may be useful for treating disorders of the
CC   immune system, hyperproliferative disorders, infectious disease,
CC   regeneration of tissues, for chemotaxis and for screening molecules that
CC   bind to the proteins. The proteins or polynucleotide sequences may be
CC   used as food additives or preservatives, to increase or decrease storage
CC   capabilities, fat content, lipid, protein, carbohydrate, vitamins,
CC   minerals, co-factors or other nutritional components. Agonists or
CC   antagonists of the proteins may be used to prevent scar tissue growth
CC   during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051
CC   and AAB08890 are sequences used in the exemplification of the present
CC   invention
XX
SQ   Sequence 246 AA;

  Query Match             100.0%;  Score 1286;  DB 3;  Length 246;
  Best Local Similarity   100.0%;  Pred. No. 6.1e-85;
  Matches  245;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAEL 245
              |||||
Db        241 RVAEL 245


RESULT 3
AAY87251
ID   AAY87251 standard; protein; 327 AA.
XX
AC   AAY87251;
XX
DT   11-MAY-2000  (first entry)
XX
DE   Human signal peptide containing protein HSPP-28 SEQ ID NO:28.
XX
KW   Human; signal peptide-containing protein; HSPP; diagnosis; cancer;
KW   inflammation; cardiovascular disease; anticancer; anti-inflammatory;
KW   antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic;
KW   antiasthmatic; gene therapy; cell proliferation; neurological disorder;
KW   reproductive disorder; developmental disorder; arteriosclerosis;
KW   cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;
KW   asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;
KW   Parkinson's disease; Huntington's diseases; ovulatory defect;
KW   muscular dystrophy.
```

XX
OS Homo sapiens.
XX
PN WO200000610-A2.
XX
PD 06-JAN-2000.
XX
PF 25-JUN-1999; 99WO-US014484.
XX
PR 26-JUN-1998; 98US-0090762P.
PR 31-JUL-1998; 98US-0094983P.
PR 01-OCT-1998; 98US-0102686P.
PR 11-DEC-1998; 98US-0112129P.
XX
PA (INCY-) INCYTE PHARM INC.
XX
PI Lal P, Tang YT, Gorgone GA, Corley NC, Guegler KJ, Baughn MR;
PI Akerblom IE, Au-Young J, Yue H, Patterson C, Reddy R, Hillman JL;
PI Bandman O;
XX
DR WPI; 2000-160673/14.
DR N-PSDB; AAZ98136.
XX
PT New human signal peptide-containing proteins useful in treatment,
PT prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
PT disease.
XX
PS Claim 1; Page 177-178; 327pp; English.
XX
CC AAZ98109 to AAZ98242 encode AAY87224 to AAY87357 which represent the
CC human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have
CC anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic,
CC neuroprotective, cardiovascular and antiasthmatic activities, and can be
CC used in gene therapy. HSPPs can be used to treat or prevent disorders
CC associated with decreased activity or function of HSPP. Antagonists of
CC HSPP are used to treat or prevent disorders associated with increased
CC activity or function of HSPP. Such diseases include cell proliferation
CC (including cancer), inflammation, cardiovascular, neurological,
CC reproductive or developmental disorders, (e.g. arteriosclerosis,
CC cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia,
CC asthma, Crohn's disease, microbial or other infections, congestive or
CC ischaemic heart disease, Alzheimer's, Parkinson's or Huntington's
CC diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP
CC nucleic acids can be used for the recombinant production of HSPP, for
CC detecting HSPP in standard hybridisation and amplification assays (for
CC diagnosis and monitoring), in gene therapy, as antisense, triplex-forming
CC or ribozyme therapeutics, for detecting related sequences or genetic
CC variations, and for chromosomal mapping. HSPP are also used to raise
CC specific antibodies (Ab) and to screen for agonists and antagonists
CC (potential therapeutic agents). Ab are used to diagnose, or monitor, HSPP
CC -related diseases (in usual immunoassays), as therapeutic antagonists, in
CC competitive drug screens, and for purification of HSPP from natural
CC sources
XX
SQ Sequence 327 AA;

Query Match 99.3%; Score 1277; DB 3; Length 327;
Best Local Similarity 100.0%; Pred. No. 3.8e-84;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 4
AAY94857
ID AAY94857 standard; protein; 327 AA.
XX
AC AAY94857;
XX
DT 12-JUN-2000 (first entry)
XX
DE Human protein clone HP10568.
XX
KW Human protein; hydrophobic domain; nutritional source; haematopoiesis;
KW cytokine production; cell proliferation; cell differentiation;
KW immune deficiency; infectious disease; autoimmune disorder; asthma;
KW multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis;
KW allergic reaction; osteoporosis; osteoarthritis; periodontal disease;
KW nervous system disorder; Alzheimer's disease; Parkinson's disease;
KW Huntington's disease; liver fibrosis; lung fibrosis; reperfusion injury;
KW systemic cytokine damage; tissue differentiation; contraceptive; stroke;
KW coagulation disorder; myocardial infarction; inflammatory condition;
KW septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour;
KW nephritis; therapy.
XX
OS Homo sapiens.
XX
PN WO200005367-A2.
XX
PD 03-FEB-2000.
XX
PF 22-JUL-1999; 99WO-JP003929.
XX
PR 24-JUL-1998; 98JP-00208820.
PR 07-AUG-1998; 98JP-00224105.
PR 25-AUG-1998; 98JP-00238116.
PR 09-SEP-1998; 98JP-00254736.
PR 29-SEP-1998; 98JP-00275505.
XX
PA (SAGA) SAGAMI CHEM RES CENT.
PA (PROT-) PROTEGENE INC.
XX
PI Kato S, Kimura T;
XX
DR WPI; 2000-182694/16.
XX
PT Novel human proteins having hydrophobic domains useful for treating
PT osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple
PT sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.
XX
PS Claim 1; Page 183-184; 351pp; English.
XX
CC This sequence represents a human protein of the invention, which has
CC hydrophobic domains. The DNA sequences can be used as a probe or as a
CC genetic marker. The protein can also be used as a marker, and to identify
CC potential genetic disorders. The DNA and protein can also be used as
CC nutritional sources or supplements. The protein exhibits cytokine, cell
CC proliferation, cell differentiation activities and induces production of
CC other cytokines in certain cell populations. The protein also exhibits
CC immune stimulating or immune suppressing activity. It can be used in the
CC treatment of various immune deficiencies and disorders, and to treat
CC infectious diseases caused by viral, bacterial, fungal or other
CC infections. The protein is also used for treating autoimmune disorders
CC such as multiple sclerosis, systemic lupus erythematosus, and rheumatoid
CC arthritis. It is also useful in the treatment of allergic reactions and
CC conditions such as asthma, and in immune suppression after organ
CC transplantation. The protein is useful in regulation of haematopoiesis
CC and consequently in the treatment of myeloid or lymphoid cell

```
CC   deficiencies. It is also used in compositions for tissue growth or
CC   regeneration. The protein is also used in the treatment of osteoporosis
CC   or osteoarthritis and in the treatment of periodontal disease and other
CC   tooth repair processes. The protein is used in the treatment of nervous
CC   system disorders such as Alzheimer's disease, Parkinson's disease, and
CC   Huntington's disease. They are useful for protection or regeneration and
CC   treatment of lung or liver fibrosis, reperfusion injury in various
CC   tissues, and conditions resulting from systemic cytokine damage. They are
CC   also used for promoting or inhibiting tissue differentiation. They are
CC   also used as contraceptives since they exhibit activin or inhibin related
CC   activities and as a fertility inducing therapeutic. They are used for
CC   treating various coagulation disorders and in treatment and prevention of
CC   conditions resulting from coagulation activities e.g. myocardial
CC   infarction or stroke. They also acts as receptors, receptor ligands or
CC   inhibitors or agonists of receptor/ligand interactions. They are used to
CC   treat inflammatory conditions such as septic shock, sepsis, ischaemia
CC   reperfusion injury, arthritis, and nephritis. They can be used to prevent
CC   tumours
XX
SQ   Sequence 327 AA;

  Query Match             99.3%;  Score 1277;  DB 3;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 5
AAY97585
ID   AAY97585 standard; protein; 327 AA.
XX
AC   AAY97585;
XX
DT   05-APR-2001  (first entry)
XX
DE   Human secreted protein PRO7154.
XX
KW   Secreted protein; human; PRO protein; neoplastic cell growth; tumour;
KW   proliferation; leukaemia; lymphoid malignancy; inflammatory disorder;
KW   angiogenic disorder; immunologic disorder; PRO7154.
XX
OS   Homo sapiens.
XX
PN   WO200075317-A2.
XX
PD   14-DEC-2000.
XX
PF   15-MAY-2000; 2000WO-US013358.
XX
PR   09-JUN-1999;   99US-0138385P.
PR   20-JUL-1999;   99US-0144790P.
PR   03-AUG-1999;   99US-0146843P.
PR   10-AUG-1999;   99US-0148188P.
PR   17-AUG-1999;   99US-0149320P.
PR   17-AUG-1999;   99US-0149327P.
PR   17-AUG-1999;   99US-0149396P.
PR   20-AUG-1999;   99US-0150114P.
PR   31-AUG-1999;   99US-0151700P.
PR   31-AUG-1999;   99US-0151734P.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Botstein DA,  Goddard A,  Gurney AL,  Smith V,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2001-071075/08.
DR   N-PSDB; AAA91019.
XX
PT   Antibodies against PRO polypeptides, useful for diagnosing and treating
PT   tumors are associated with gene amplification, neoplastic cell growth and
PT   proliferation in mammals.
XX
PS   Claim 61; Fig 12; 143pp; English.
XX
CC   This sequence is a human PRO protein of the invention. The PRO proteins
CC   are secreted proteins. Antagonists or antibodies of PRO polypeptides are
CC   useful for diagnosing and treating tumours are associated with gene
CC   amplification, neoplastic cell growth and proliferation in mammals, and
CC   those conditions characterised by overexpression and/or activation of the
CC   amplified genes. Such conditions include benign or malignant tumours
CC   (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian,
CC   colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic
CC   carcinomas, sarcomas, glioblastomas and various head and neck tumours);
CC   leukaemias and lymphoid malignancies; neuronal, glial, astrocytal,
CC   hypothalamic, and other glandular, macrophageal, epithelial, stromal and
CC   blastocoelic disorders; and inflammatory, angiogenic and immunologic
CC   disorders. These may further be used to qualitatively or quantitatively
CC   detect the expression of proteins encoded by the amplified genes, and in
CC   tumour diagnostics or prognostics. The PRO polypeptide or its antagonist
CC   may be used for the preparation of a medicament in the treatment of a
CC   condition, which is responsive to the PRO polypeptide, its antagonist or
CC   anti-PRO antibody
XX
SQ   Sequence 327 AA;

  Query Match             99.3%;  Score 1277;  DB 4;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 6
ABB90354
ID   ABB90354 standard; protein; 327 AA.
XX
AC   ABB90354;
XX
DT   24-MAY-2002  (first entry)
XX
```

```
DE   Human polypeptide SEQ ID NO 2730.
XX
KW   Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral;
KW   antiallergic; hepatotropic; antidiabetic; antiinflammatory; antiulcer;
KW   vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic;
KW   cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder;
KW   neurological disease; infection; human; secreted protein.
XX
OS   Homo sapiens.
XX
PN   WO200190304-A2.
XX
PD   29-NOV-2001.
XX
PF   18-MAY-2001; 2001WO-US016450.
XX
PR   19-MAY-2000; 2000US-0205515P.
XX
PA   (HUMA-) HUMAN GENOME SCI INC.
XX
PI   Birse CE,  Rosen CA;
XX
DR   WPI; 2002-122018/16.
DR   N-PSDB; ABL90763.
XX
PT   Novel 1405 isolated polypeptides, useful for diagnosis, treatment and
PT   prevention of neural, immune system, muscular, reproductive,
PT   gastrointestinal, pulmonary, cardiovascular, renal and proliferative
PT   disorders.
XX
PS   Claim 11; SEQ ID NO 2730; 2081pp + Sequence Listing; English.
XX
CC   The invention relates to novel genes (ABL89449-ABL90853) and proteins
CC   (ABB89040-ABB90444) useful for preventing, treating or ameliorating
CC   medical conditions e.g. by protein or gene therapy. The genes are
CC   isolated from a range of human tissues disclosed in the specification.
CC   The nucleic acids, proteins, antibodies and (ant)agonists are useful in
CC   the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and
CC   ovarian cancer and other cancers of the adrenal gland, bone, bone marrow,
CC   breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune
CC   disorders e.g. Addison's disease, allergies, autoimmune haemolytic
CC   anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease,
CC   multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c)
CC   cardiovascular disorders such as myocardial ischaemias; (d) wound healing
CC   ; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f)
CC   infectious diseases such as viral, bacterial, fungal and parasitic
CC   infections. Note: The sequence data for this patent did not form part of
CC   the printed specification, but was obtained in electronic format directly
CC   from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX
SQ   Sequence 327 AA;

  Query Match             99.3%;  Score 1277;  DB 5;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 7
AAU83709
ID   AAU83709 standard; protein; 327 AA.
XX
AC   AAU83709;
XX
DT   08-MAY-2002  (first entry)
XX
DE   Human PRO protein, Seq ID No 236.
XX
KW   Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW   breast cancer; prostate tumour; rectal tumour; liver tumour;
KW   pericyte cell proliferation; chondrocyte cell proliferation;
KW   tumour necrosis factor-alpha.
XX
OS   Homo sapiens.
XX
PN   WO200208288-A2.
XX
PD   31-JAN-2002.
XX
PF   29-JUN-2001; 2001WO-US021066.
XX
PR   20-JUL-2000; 2000US-0219556P.
PR   25-JUL-2000; 2000US-0220585P.
PR   25-JUL-2000; 2000US-0220605P.
PR   25-JUL-2000; 2000US-0220607P.
PR   25-JUL-2000; 2000US-0220624P.
PR   25-JUL-2000; 2000US-0220638P.
PR   25-JUL-2000; 2000US-0220664P.
PR   25-JUL-2000; 2000US-0220666P.
PR   26-JUL-2000; 2000US-0220893P.
PR   28-JUL-2000; 2000WO-US020710.
PR   01-AUG-2000; 2000US-0222425P.
PR   22-AUG-2000; 2000US-0227133P.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   10-NOV-2000; 2000WO-US030873.
PR   28-NOV-2000; 2000US-0253646P.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   22-MAR-2001; 2001US-00816744.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   25-MAY-2001; 2001WO-US017092.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2002-172001/22.
DR   N-PSDB; ABK33653.
XX
PT   One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT   useful for treating a PRO related disorder and for diagnosing tumors such
PT   as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
PT   or liver tumor.
XX
PS   Claim 11; Fig 236; 359pp; English.
XX
CC   The invention relates to one hundred and twenty two nucleic acids
CC   encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
CC   encode human secreted proteins. The PRO nucleic acids, polypeptides,
CC   agonists and antagonists are useful for treating a PRO related disorder.
CC   The PRO polypeptides are useful for diagnosing tumours, especially lung
```

CC cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
CC liver tumour. The PRO polypeptides are useful for stimulating the
CC proliferation of, or gene expression, in pericyte cells, for stimulating
CC the proliferation or differentiation of chondrocyte cells, for
CC stimulating the release of tumour necrosis factor-alpha from human blood,
CC for stimulating or inhibiting the proliferation of normal human dermal
CC fibroblast cells. The PRO polypeptide may also be used as molecular
CC weight markers and for tissue typing. The PRO nucleic acids have
CC applications in molecular biology, including use as hybridisation probes,
CC and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO
CC protein sequences of the invention
XX
SQ Sequence 327 AA;

```
  Query Match             99.3%;  Score 1277;  DB 5;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 8
ABU80856
ID ABU80856 standard; protein; 327 AA.
XX
AC ABU80856;
XX
DT 23-JUN-2003 (first entry)
XX
DE Human PRO polypeptide #118.
XX
KW Human; PRO polypeptide; secreted and transmembrane protein;
KW anti-PRO antibody; diagnostic assay; gene expression; tumour; cytostatic.
XX
OS Homo sapiens.
XX
PN US2003036635-A1.
XX
PD 20-FEB-2003.
XX
PF 28-AUG-2002; 2002US-00230163.
XX
PR 25-JUL-2000; 2000US-0220638P.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-342045/32.
DR N-PSDB; ACA66958.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for the manufacture of a medicament for diagnosing or treating
PT tumor.
XX
PS Claim 11; Fig 236; 314pp; English.
XX
CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides and polynucleotides are useful for preparing a medicament
CC useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are
CC useful in diagnostic assays for PRO, by detecting its expression in
CC specific cells, tissues or serum, and for affinity purification of PRO
CC from recombinant cell culture or natural sources. ABU80739-ABU80860
CC represent the human PRO polypeptides of the invention. Note: The sequence
CC data for this patent was obtained in electronic format directly from the
CC USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
XX
SQ Sequence 327 AA;

```
  Query Match             99.3%;  Score 1277;  DB 6;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 9
ABO33822
ID ABO33822 standard; protein; 327 AA.
XX
AC ABO33822;
XX
DT 17-SEP-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO7154.
XX
KW Human; secreted and transmembrane protein; PRO; cytostatic;
KW antiarthritic; osteopathic; gene therapy; TNF-Agonist-Alpha;
KW chondrocyte stimulator; pericyte stimulator; fibroblast modulator;
KW pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW liver tumour; bone disorder; cartilage disorder; sports injury;
KW arthritis; wound.
XX
OS Homo sapiens.
XX
PN US2003045687-A1.
XX
PD 06-MAR-2003.
XX
PF 12-AUG-2002; 2002US-00218631.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.

```
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-512315/48.
DR   N-PSDB; ACD68710.
XX
PT   New genes, and its encoded secreted and transmembrane polypeptides,
PT   useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or
PT   pericyte proliferation, especially for treating lung tumors, arthritis or
PT   wounds in a mammal.
XX
PS   Claim 11; Fig 236; 314pp; English.
XX
CC   The invention describes an isolated nucleic acid molecule comprising a
CC   sequence with at least 80% identity to: (a) a nucleotide encoding any of
CC   122 PRO (secreted and transmembrane) polypeptides whose sequences are
CC   fully defined in the specification; or (b) any of 122 nucleotide
CC   sequences having e.g. 4834, 2504 or 1759 bp fully defined in the
CC   specification; or the full length coding sequence of any these 122
CC   nucleotide sequences. The PRO polypeptides or polynucleotides are useful
CC   as pharmaceuticals, diagnostics, biosensors or bioreactors. These are
CC   particularly useful for detecting tumours (e.g. lung tumour, colon
CC   tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)
CC   in a mammal, for stimulating the release of TNF-alpha from human blood,
CC   for stimulating the proliferation or differentiation of chondrocyte
CC   cells, for stimulating proliferation of pericyte cells, or for modulating
CC   normal human dermal fibroblast proliferation. The PRO nucleic acid or
CC   polypeptide is also useful for treating tumours or various bone and/or
CC   cartilage disorders (e.g. sports injuries or arthritis), or wounds. The
CC   PRO polypeptides are useful in drug screening, particularly as targets
CC   for therapeutic intervention in these diseases, and in the diagnostic
CC   determination of the presence of these diseases. The PRO polypeptides are
CC   also useful as molecular weight markers, or for chromosome
CC   identification. The PRO genes are useful as hybridisation probes, or for
CC   screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
CC   also be used in gene therapy, particularly for replacing a defective
CC   gene. This is the amino acid sequence of a novel human secreted and
CC   transmembrane PRO polypeptide
XX
SQ   Sequence 327 AA;

  Query Match             99.3%;  Score 1277;  DB 6;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 10
ABU82165
ID   ABU82165 standard; protein; 327 AA.
XX
AC   ABU82165;
XX
DT   25-JUN-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   Human; secreted and transmembrane protein; PRO; cardiant; cytostatic;
KW   antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic;
KW   gene therapy; cardiovascular disorder; endothelial disorder;
KW   angiogenic disorder; cardiac hypertrophy; trauma; cancer;
KW   age-related macular degeneration; atherosclerosis; hypertension;
KW   arterial restenosis; rheumatoid arthritis; angina; myocardial infarction;
KW   thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma;
KW   liver carcinoma; wound healing; chromosome mapping; gene mapping.
XX
OS   Homo sapiens.
XX
PN   US2003088063-A1.
XX
PD   08-MAY-2003.
XX
PF   12-AUG-2002; 2002US-00219003.
XX
PR   25-JUL-2000; 2000US-0220664P.
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-393229/37.
DR   N-PSDB; ACA68614.
XX
PT   One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT   useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT   infarction), endothelial or angiogenic disorders in a mammal.
XX
PS   Claim 11; Fig 236; 314pp; English.
XX
CC   The invention describes one hundred and eighty seven nucleic acids
CC   encoding novel human secreted and transmembrane (PRO) polypeptides. The
CC   PRO nucleic acids, polypeptides, agonists and antagonists are useful for
CC   treating or diagnosing a cardiovascular, endothelial or angiogenic
CC   disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-
CC   related macular degeneration, atherosclerosis, hypertension, arterial
CC   restenosis, rheumatoid arthritis, angina, myocardial infarctions,
CC   thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast
CC   carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids
CC   have applications in molecular biology, including use as hybridisation
CC   probes, and in chromosome and gene mapping. This is the amino acid
CC   sequence of a novel human secreted and transmembrane PRO polypeptide
XX
SQ   Sequence 327 AA;

  Query Match             99.3%;  Score 1277;  DB 6;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
```

```
Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 11
ABJ72345
ID ABJ72345 standard; protein; 327 AA.
XX
AC ABJ72345;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human PRO7154 protein.
XX
KW PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte;
KW differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
XX
OS Homo sapiens.
XX
PN US2003050448-A1.
XX
PD 13-MAR-2003.
XX
PF 28-AUG-2002; 2002US-00230414.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-521818/49.
DR N-PSDB; ABT44343.
XX
PT New nucleic acid encoding for a PRO protein, useful for the manufacture
PT of a medicament for diagnosing or treating tumors or for measuring or
PT detecting expression of an associated gene.
XX
PS Claim 11; Fig 236; 315pp; English.
XX
CC The invention relates to a novel isolated nucleic acid encoding a fully
CC defined PRO polypeptide. The molecules of the invention may be useful for
CC stimulating proliferation or gene expression in pericyte cells or the
CC release of TNF-alpha from human blood. Other possible uses include the
CC stimulation or inhibition of chondrocyte proliferation or
CC differentiation, the stimulation of human dermal fibroblast cell
CC proliferation and the detection of the presence of a tumour within a
CC mammal. Furthermore, the nucleic acid may be useful for the manufacture
CC of a medicament for diagnosing or treating a tumour within a mammal or
CC for measuring or detecting the expression of an associated gene, as well
CC as during gene therapy. The current sequence is that of the human PRO
CC protein of the invention
XX
SQ Sequence 327 AA;

```
  Query Match            99.3%;  Score 1277;  DB 6;  Length 327;
  Best Local Similarity  100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 12
ABJ72473
ID ABJ72473 standard; protein; 327 AA.
XX
AC ABJ72473;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human PRO7154 protein.
XX
KW PRO; blood; proliferation; pericyte cell; TNF alpha; chondrocyte;
KW tumour necrosis factor; proliferation; differentiation; gene therapy;
KW dermal fibroblast.
XX
OS Homo sapiens.
XX
PN US2003027988-A1.
XX
PD 06-FEB-2003.
XX
PF 26-AUG-2002; 2002US-00227884.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-503301/47.
DR N-PSDB; ABT44626.
XX
PT New PRO protein encoding nucleic acid, useful for preparing PRO
PT polypeptides and anti-PRO antibodies for detecting the presence of a
PT tumor in a mammal.
XX
PS Claim 11; Fig 236; 324pp; English.
XX
CC The invention relates to a novel isolated PRO protein encoding nucleic
CC acid. The nucleic acid of the invention may be useful for preparing PRO
CC polypeptides and anti-PRO antibodies for detecting the presence of a
CC tumour in a mammal. Furthermore, the molecules of the invention may be
CC useful for stimulating proliferation or gene expression in pericyte
CC cells, the release of tumour necrosis factor (TNF)-alpha from human
CC blood, the proliferation or differentiation of chondrocyte cells and for
CC inhibiting the proliferation of normal human dermal fibroblast cells.
CC Finally, the molecules may be utilised during gene therapy. The current
CC sequence is that of the human PRO protein of the invention
XX
SQ Sequence 327 AA;

```
  Query Match            99.3%;  Score 1277;  DB 6;  Length 327;
  Best Local Similarity  100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 13
ABO34368
ID ABO34368 standard; protein; 327 AA.
XX
AC ABO34368;
XX
DT 19-SEP-2003 (first entry)
XX
DE Human secreted/transmembrane polypeptide PRO 7154.
XX
KW Human; chondrocyte stimulation; TNF-alpha stimulation; gene therapy;
KW human dermal fibroblast stimulation; tumour; tissue typing;
KW affinity purification.
XX
OS Homo sapiens.
XX
PN US2003044934-A1.
XX
PD 06-MAR-2003.
XX
PF 28-AUG-2002; 2002US-00230338.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-492274/46.
DR N-PSDB; ACD82293.
XX
PT New transmembrane polypeptides and nucleic acids encoding the
PT polypeptides, useful in gene therapy, in chromosome identification, as
PT chromosome markers, or in generating probes.
XX
PS Claim 19; Fig 236; 315pp; English.
XX
CC The invention relates to an isolated nucleic acid encoding a PRO
CC polypeptide. Nucleic acids that encode PRO can be used to generate either
CC transgenic animals or knock-out animals useful in developing and
CC screening of therapeutically useful reagents. The nucleic acids may also
CC be used in gene therapy for replacing defective gene, in chromosome
CC identification, as chromosome markers, or in generating probes to isolate
CC full length PRO cDNA. The PRO polypeptides are useful for chondrocyte
CC stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation
CC and for detecting the presence of tumour in an mammal. The PRO
CC polypeptides are useful as molecular markers for protein electrophoresis
CC and the isolated nucleic acids may be used for recombinantly expressing
CC those markers. The PRO polypeptides and nucleic acids may also be used in
CC tissue typing. Anti-PRO antibodies are useful in diagnostic assays for
CC PRO and in affinity purification of PRO from recombinant cell culture or
CC natural sources. The present sequence represents the amino acid sequence
CC of a human secreted/transmembrane PRO polypeptide
XX
SQ Sequence 327 AA;

```
  Query Match             99.3%;  Score 1277;  DB 6;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 14
ABJ72175
ID ABJ72175 standard; protein; 327 AA.
XX
AC ABJ72175;
XX
DT 16-OCT-2003 (first entry)
XX
DE Human membrane bound receptor/protein PRO7154 amino acid sequence.
XX
KW Human; PRO; membrane bound protein; membrane bound receptor;
KW cell proliferation; cell migration; cell differentiation;
KW mitogenic factor; survival factor; cytotoxic factor;
KW differentiation factor; neuropeptide; hormone; cell receptor;
KW receptor-ligand interaction; cytostatic; chondrocyte; tumour.
XX
OS Homo sapiens.
XX
PN US2003065147-A1.
XX
PD 03-APR-2003.
XX
PF 29-AUG-2002; 2002US-00232224.
XX
PR 28-JUL-1999; 99US-0146222P.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-522018/49.
DR N-PSDB; ABT43999.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for the manufacture of a medicament for diagnosing or treating

```
PT   tumor.
XX
PS   Claim 11; Fig 236; 315pp; English.
XX
CC   This invention relates to one hundred and twenty two novel nucleic acids
CC   encoding human PRO membrane bound proteins or receptors. Extracellular
CC   proteins play important roles in the formation, differentiation and
CC   maintenance of multicellular organisms. The fate of many individual cells
CC   (for example proliferation, migration or differentiation) is typically
CC   governed by information received from other cells and the immediate
CC   environment. The information is often transmitted by secreted
CC   polypeptides (for example mitogenic factors, survival factors, cytotoxic
CC   factors, differentiation factors, neuropeptides and hormones) which are
CC   received and interpreted by diverse cell receptors or membrane bound
CC   proteins. These membrane bound proteins and receptors may be of use as
CC   pharmaceutical and diagnostic agents, such as in the blocking of receptor
CC   -ligand interactions. The current invention provides the amino acid
CC   sequences of novel human membrane bound receptors and proteins, along
CC   with the cDNA sequences encoding them. The novel proteins of the
CC   invention may have cytostatic activities through the stimulation of
CC   chondrocytes. The nucleic acids of the invention may be useful for the
CC   manufacture of a medicament for diagnosing or treating a tumour in a
CC   mammal. In addition, they may be useful for measuring or detecting the
CC   expression of a tumour associated gene. The present sequence is the amino
CC   acid sequence of a human PRO protein of the invention
XX
SQ   Sequence 327 AA;

  Query Match             99.3%;  Score 1277;  DB 7;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 15
ADB83726
ID   ADB83726 standard; protein; 327 AA.
XX
AC   ADB83726;
XX
DT   04-DEC-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   human; secreted and transmembrane protein; PRO; cytostatic; vulnerary;
KW   antiarthritic; pericyte cell proliferation;
KW   pericyte cell differentiation; chondrocyte cell proliferation;
KW   chondrocyte cell differentiation; tumour necrosis factor alpha release;
KW   (TNF)-alpha release; dermal fibroblast cell proliferation;
KW   dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;
KW   colon tumour; breast tumour; prostate tumour; rectal tumour;
KW   liver tumour; tissue typing; chromosome mapping; gene mapping;
KW   gene therapy.
XX
OS   Homo sapiens.
XX
PN   US2003073814-A1.
XX
PD   17-APR-2003.
XX
PF   12-AUG-2002; 2002US-00218849.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-644806/61.
DR   N-PSDB; ADB83725.
XX
PT   New PRO polypeptides and nucleic acids encoding the polypeptides, useful
PT   in gene therapy, chromosome identification, tissue typing, or as
PT   hybridization probes in chromosome and gene mapping.
XX
PS   Claim 11; Fig 236; 315pp; English.
XX
CC   The invention describes an isolated PRO (secreted and transmembrane)
CC   polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are
CC   useful for stimulating the proliferation of or gene expression in
CC   pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful
CC   for stimulating the proliferation or differentiation of chondrocyte
CC   cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide
CC   are useful for stimulating the release of tumour necrosis factor (TNF)-
CC   alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,
CC   PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,
CC   PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,
CC   PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412,
CC   PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,
CC   PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,
CC   PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,
CC   PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for
CC   stimulating the proliferation of normal human dermal fibroblasts cells.
CC   PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,
CC   PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for
CC   inhibiting the proliferation of normal human dermal fibroblast cells. PRO
CC   polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,
CC   are useful for detecting the presence of tumour in a mammal which
CC   involves comparing the level of expression of the above PRO polypeptides
CC   in a test sample of cells taken from the mammal, and a control sample of
CC   normal cells of the same cell type, where a higher level of expression of
CC   the PRO polypeptides in the test sample as compared to the control sample
CC   is indicative of the presence of tumour in the mammal. The tumour is lung
CC   tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or
CC   liver tumour. (I) is useful as molecular weight markers, for tissue
CC   typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is
CC   useful for chromosome and gene mapping or gene therapy. (II) is useful
CC   for generating transgenic animals or knock-out animals which are useful
CC   screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide
CC   is useful for treating bone and/or cartilage disorders (e.g., arthritis,
CC   sport injuries). This is the amino acid sequence of a human secreted and
CC   transmembrane PRO polypeptide.
XX
SQ   Sequence 327 AA;

  Query Match             99.3%;  Score 1277;  DB 7;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy         181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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Db         181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy         241 RVA 243
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Db         241 RVA 243
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Search completed: August 4, 2005, 06:07:07
Job time : 74.7214 secs

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: August 4, 2005, 06:13:42 ; Search time 66.3695 Seconds
(without alignments)
1447.018 Million cell updates/sec

Title: US-10-607-565-83
Perfect score: 1287
Sequence: 1 MAELPGPFLCGALLGFLCLS.....SCELTLSVTEPSQGRVAELX 246

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1752860 seqs, 390397842 residues

Total number of hits satisfying chosen parameters: 1752860

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
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5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
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22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1286	99.9	245	9	US-09-820-893-98	Sequence 98, Appl
2	1286	99.9	245	15	US-10-607-565-98	Sequence 98, Appl
3	1286	99.9	246	9	US-09-820-893-83	Sequence 83, Appl
4	1286	99.9	246	15	US-10-607-565-83	Sequence 83, Appl
5	1277	99.2	327	14	US-10-227-884-236	Sequence 236, App
6	1277	99.2	327	14	US-10-230-163-236	Sequence 236, App
7	1277	99.2	327	14	US-10-230-338-236	Sequence 236, App
8	1277	99.2	327	14	US-10-218-631-236	Sequence 236, App
9	1277	99.2	327	14	US-10-230-414-236	Sequence 236, App
10	1277	99.2	327	14	US-10-232-224-236	Sequence 236, App
11	1277	99.2	327	14	US-10-216-159A-236	Sequence 236, App
12	1277	99.2	327	14	US-10-218-849-236	Sequence 236, App
13	1277	99.2	327	14	US-10-227-873-236	Sequence 236, App
14	1277	99.2	327	14	US-10-227-883-236	Sequence 236, App
15	1277	99.2	327	14	US-10-219-076-236	Sequence 236, App
16	1277	99.2	327	14	US-10-230-434-236	Sequence 236, App
17	1277	99.2	327	14	US-10-219-003-236	Sequence 236, App
18	1277	99.2	327	14	US-10-219-075-236	Sequence 236, App
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21	1277	99.2	327	14	US-10-219-479-236	Sequence 236, App
22	1277	99.2	327	14	US-10-219-481-236	Sequence 236, App
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34	1277	99.2	327	14	US-10-219-474-236	Sequence 236, App
35	1277	99.2	327	14	US-10-219-524-236	Sequence 236, App
36	1277	99.2	327	14	US-10-219-528-236	Sequence 236, App
37	1277	99.2	327	14	US-10-227-880-236	Sequence 236, App
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39	1277	99.2	327	14	US-10-227-882-236	Sequence 236, App
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44	1277	99.2	327	14	US-10-232-229-236	Sequence 236, App
45	1277	99.2	327	14	US-10-232-234-236	Sequence 236, App

ALIGNMENTS

RESULT 1
US-09-820-893-98
; Sequence 98, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 31 Human Secreted Proteins
; FILE REFERENCE: PZ033P1
; CURRENT APPLICATION NUMBER: US/09/820,893
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/531,119
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: 60/102,895
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-820-893-98

Query Match 99.9%; Score 1286; DB 9; Length 245;
Best Local Similarity 100.0%; Pred. No. 1.1e-96;
Matches 245; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
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Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAEL 245
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RESULT 2
US-10-607-565-98
; Sequence 98, Application US/10607565
; Publication No. US20040048294A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 31 Human Secreted Proteins
;  FILE REFERENCE: PZ033P1
;  CURRENT APPLICATION NUMBER: US/10/607,565
;  CURRENT FILING DATE:  2003-06-27
;  PRIOR APPLICATION NUMBER: US/09/531,119
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/101,546
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/102,895
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
;   LENGTH: 245
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-607-565-98

  Query Match             99.9%;  Score 1286;  DB 15;  Length 245;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-96;
  Matches  245;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
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Qy        241 RVAEL 245
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Db        241 RVAEL 245


RESULT 3
US-09-820-893-83
; Sequence 83, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 31 Human Secreted Proteins
;  FILE REFERENCE: PZ033P1
;  CURRENT APPLICATION NUMBER: US/09/820,893
;  CURRENT FILING DATE:  2001-03-30
;  PRIOR APPLICATION NUMBER: 09/531,119
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: 60/102,895
;  PRIOR FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 83
;   LENGTH: 246
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (246)
;   OTHER INFORMATION: Xaa equals stop translation
US-09-820-893-83

  Query Match             99.9%;  Score 1286;  DB 9;  Length 246;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-96;
  Matches  245;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

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Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

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Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAEL 245
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Db        241 RVAEL 245


RESULT 4
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; Sequence 83, Application US/10607565
; Publication No. US20040048294A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 31 Human Secreted Proteins
;  FILE REFERENCE: PZ033P1
;  CURRENT APPLICATION NUMBER: US/10/607,565
;  CURRENT FILING DATE:  2003-06-27
;  PRIOR APPLICATION NUMBER: US/09/531,119
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/101,546
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/102,895
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 83
;   LENGTH: 246
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (246)
;   OTHER INFORMATION: Xaa equals stop translation
US-10-607-565-83

  Query Match             99.9%;  Score 1286;  DB 15;  Length 246;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-96;
  Matches  245;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
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Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAEL 245
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Db        241 RVAEL 245
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RESULT 5
US-10-227-884-236
; Sequence 236, Application US/10227884
; Publication No. US20030027988A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C79
;  CURRENT APPLICATION NUMBER: US/10/227,884
;  CURRENT FILING DATE:  2002-08-26
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  PRIOR APPLICATION NUMBER: 60/081819
;  PRIOR FILING DATE: 1998-04-15
;  PRIOR APPLICATION NUMBER: 60/081955
;  PRIOR FILING DATE: 1998-04-15
;  PRIOR APPLICATION NUMBER: 60/082804
;  PRIOR FILING DATE: 1998-04-22
;  PRIOR APPLICATION NUMBER: 60/084441
;  PRIOR FILING DATE: 1998-05-06
;  PRIOR APPLICATION NUMBER: 60/085323
;  PRIOR FILING DATE: 1998-05-13
;  PRIOR APPLICATION NUMBER: 60/085579
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/086392
;  PRIOR FILING DATE: 1998-05-22
;  PRIOR APPLICATION NUMBER: 60/089532
;  PRIOR FILING DATE: 1998-06-17
;  PRIOR APPLICATION NUMBER: 60/089538
;  PRIOR FILING DATE: 1998-06-17
;  PRIOR APPLICATION NUMBER: 60/089905
;  PRIOR FILING DATE: 1998-06-18
;  PRIOR APPLICATION NUMBER: 60/090472
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090557
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090691
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/090695
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/095302
;  PRIOR FILING DATE: 1998-08-04
;  PRIOR APPLICATION NUMBER: 60/095318
;  PRIOR FILING DATE: 1998-08-04
;  PRIOR APPLICATION NUMBER: 60/095916
;  PRIOR FILING DATE: 1998-08-10
;  PRIOR APPLICATION NUMBER: 60/096146
;  PRIOR FILING DATE: 1998-08-11
;  PRIOR APPLICATION NUMBER: 60/096791
;  PRIOR FILING DATE: 1998-08-17
;  PRIOR APPLICATION NUMBER: 60/097986
;  PRIOR FILING DATE: 1998-08-26
;  PRIOR APPLICATION NUMBER: 60/098544
;  PRIOR FILING DATE: 1998-08-31
;  PRIOR APPLICATION NUMBER: 60/099596
;  PRIOR FILING DATE: 1998-09-09
;  PRIOR APPLICATION NUMBER: 60/099598
;  PRIOR FILING DATE: 1998-09-09
;  PRIOR APPLICATION NUMBER: 60/099803
;  PRIOR FILING DATE: 1998-09-10
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;  PRIOR FILING DATE: 1998-09-10
;  PRIOR APPLICATION NUMBER: 60/099812
;  PRIOR FILING DATE: 1998-09-10
;  PRIOR APPLICATION NUMBER: 60/099816
;  PRIOR FILING DATE: 1998-09-10
;  PRIOR APPLICATION NUMBER: 60/100038
;  PRIOR FILING DATE: 1998-09-11
;  PRIOR APPLICATION NUMBER: 60/100385
;  PRIOR FILING DATE: 1998-09-15
;  PRIOR APPLICATION NUMBER: 60/100390
;  PRIOR FILING DATE: 1998-09-15
;  PRIOR APPLICATION NUMBER: 60/100627
;  PRIOR FILING DATE: 1998-09-16
;  PRIOR APPLICATION NUMBER: 60/100848
;  PRIOR FILING DATE: 1998-09-18
;  PRIOR APPLICATION NUMBER: 60/100919
;  PRIOR FILING DATE: 1998-09-17
;  PRIOR APPLICATION NUMBER: 60/101477
;  PRIOR FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: 60/101738
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101741
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101786
;  PRIOR FILING DATE: 1998-09-25
;  PRIOR APPLICATION NUMBER: 60/101916
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101922
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/106178
;  PRIOR FILING DATE: 1998-10-28
;  PRIOR APPLICATION NUMBER: 60/106248
;  PRIOR FILING DATE: 1998-10-29
;  PRIOR APPLICATION NUMBER: 60/106464
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; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/106905
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: 60/108787
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108801
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108849
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 60/112422
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113296
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
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; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.2%; Score 1277; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
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RESULT 6
US-10-230-163-236
; Sequence 236, Application US/10230163
; Publication No. US20030036635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C96
; CURRENT APPLICATION NUMBER: US/10/230,163
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
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; PRIOR APPLICATION NUMBER: 60/081955

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; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
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; PRIOR APPLICATION NUMBER: 60/091982
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; PRIOR FILING DATE: 1998-08-04
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; PRIOR FILING DATE: 1998-08-31
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; PRIOR APPLICATION NUMBER: 60/099598
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; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
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; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638

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;  PRIOR FILING DATE: 1999-08-17
;  PRIOR APPLICATION NUMBER: 60/151733
;  PRIOR FILING DATE: 1999-08-31
;  PRIOR APPLICATION NUMBER: 60/164418
;  PRIOR FILING DATE: 1999-11-09
;  PRIOR APPLICATION NUMBER: 60/166361
;  PRIOR FILING DATE: 1999-11-16
;  PRIOR APPLICATION NUMBER: 60/169445
;  PRIOR FILING DATE: 1999-12-07
;  PRIOR APPLICATION NUMBER: 60/169495
;  PRIOR FILING DATE: 1999-12-07
;  PRIOR APPLICATION NUMBER: 60/169835

  Query Match             99.2%;  Score 1277;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
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Db        241 RVA 243


RESULT 7
US-10-230-338-236
; Sequence 236, Application US/10230338
; Publication No. US20030044934A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C92
;  CURRENT APPLICATION NUMBER: US/10/230,338
;  CURRENT FILING DATE:  2002-08-28
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-230-338-236

  Query Match             99.2%;  Score 1277;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 8
US-10-218-631-236
; Sequence 236, Application US/10218631
; Publication No. US20030045687A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C14
;  CURRENT APPLICATION NUMBER: US/10/218,631
;  CURRENT FILING DATE:  2002-08-12
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-218-631-236

Query Match 99.2%; Score 1277; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
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RESULT 9
US-10-230-414-236
; Sequence 236, Application US/10230414
; Publication No. US20030050448A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C98
; CURRENT APPLICATION NUMBER: US/10/230,414
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-414-236

Query Match 99.2%; Score 1277; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243    -
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RESULT 10
US-10-232-224-236
; Sequence 236, Application US/10232224
; Publication No. US20030065147A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C111
; CURRENT APPLICATION NUMBER: US/10/232,224
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873

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;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-232-224-236

  Query Match             99.2%;  Score 1277;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 11
US-10-216-159A-236
; Sequence 236, Application US/10216159A
; Publication No. US20030069397A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C6
;  CURRENT APPLICATION NUMBER: US/10/216,159A
;  CURRENT FILING DATE:  2002-08-09
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-216-159A-236

  Query Match             99.2%;  Score 1277;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 12
US-10-218-849-236
; Sequence 236, Application US/10218849
; Publication No. US20030073814A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C11
;  CURRENT APPLICATION NUMBER: US/10/218,849
;  CURRENT FILING DATE:  2002-08-12
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-218-849-236

  Query Match             99.2%;  Score 1277;  DB 14;  Length 327;
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  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 13
US-10-227-873-236
; Sequence 236, Application US/10227873
; Publication No. US20030073816A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C72
;  CURRENT APPLICATION NUMBER: US/10/227,873
;  CURRENT FILING DATE:  2002-08-26
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  PRIOR APPLICATION NUMBER: 60/081819
;  PRIOR FILING DATE: 1998-04-15
;  PRIOR APPLICATION NUMBER: 60/081955
;  PRIOR FILING DATE: 1998-04-15
;  PRIOR APPLICATION NUMBER: 60/082804
;  PRIOR FILING DATE: 1998-04-22
;  PRIOR APPLICATION NUMBER: 60/084441
;  PRIOR FILING DATE: 1998-05-06
;  PRIOR APPLICATION NUMBER: 60/085323
;  PRIOR FILING DATE: 1998-05-13
;  PRIOR APPLICATION NUMBER: 60/085579
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/086392
;  PRIOR FILING DATE: 1998-05-22
;  PRIOR APPLICATION NUMBER: 60/089532
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;  PRIOR APPLICATION NUMBER: 60/089538
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;  PRIOR APPLICATION NUMBER: 60/089905
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;  PRIOR APPLICATION NUMBER: 60/090472
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090557
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090691
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/090695
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/095302
;  PRIOR FILING DATE: 1998-08-04
;  PRIOR APPLICATION NUMBER: 60/095318
;  PRIOR FILING DATE: 1998-08-04
;  PRIOR APPLICATION NUMBER: 60/095916
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;  PRIOR APPLICATION NUMBER: 60/096146
;  PRIOR FILING DATE: 1998-08-11
;  PRIOR APPLICATION NUMBER: 60/096791
;  PRIOR FILING DATE: 1998-08-17
;  PRIOR APPLICATION NUMBER: 60/097986
;  PRIOR FILING DATE: 1998-08-26
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;  PRIOR APPLICATION NUMBER: 60/099596
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;  PRIOR APPLICATION NUMBER: 60/100038
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;  PRIOR APPLICATION NUMBER: 60/100385
;  PRIOR FILING DATE: 1998-09-15
;  PRIOR APPLICATION NUMBER: 60/100390
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;  PRIOR APPLICATION NUMBER: 60/100627
;  PRIOR FILING DATE: 1998-09-16
;  PRIOR APPLICATION NUMBER: 60/100848
;  PRIOR FILING DATE: 1998-09-18
;  PRIOR APPLICATION NUMBER: 60/100919
;  PRIOR FILING DATE: 1998-09-17
;  PRIOR APPLICATION NUMBER: 60/101477
;  PRIOR FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: 60/101738
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101741
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101786
;  PRIOR FILING DATE: 1998-09-25
;  PRIOR APPLICATION NUMBER: 60/101916
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101922
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/106178
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; PRIOR FILING DATE: 1998-10-28
; PRIOR APPLICATION NUMBER: 60/106248
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: 60/106464
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/106905
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: 60/108787
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108801
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108849
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 60/112422
; PRIOR FILING DATE: 1998-12-15
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; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.2%; Score 1277; DB 14; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 14
US-10-227-883-236
; Sequence 236, Application US/10227883
; Publication No. US20030073817A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C78
; CURRENT APPLICATION NUMBER: US/10/227,883
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728

; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089905
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090691
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/095302
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095318
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095916
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/096146
; PRIOR FILING DATE: 1998-08-11
; PRIOR APPLICATION NUMBER: 60/096791
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/097986
; PRIOR FILING DATE: 1998-08-26
; PRIOR APPLICATION NUMBER: 60/098544
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099803
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099811
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099816
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/100038
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/100385
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100390
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100627
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100848
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/100919
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/101477
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101738
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101741
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101786
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: 60/101916
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101922
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/106178
; PRIOR FILING DATE: 1998-10-28
; PRIOR APPLICATION NUMBER: 60/106248
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: 60/106464
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/106905
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: 60/108787
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108801
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108849
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 60/112422
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113296
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963

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;  PRIOR FILING DATE: 1999-08-03
;  PRIOR APPLICATION NUMBER: 60/149320
;  PRIOR FILING DATE: 1999-08-17
;  PRIOR APPLICATION NUMBER: 60/149638
;  PRIOR FILING DATE: 1999-08-17
;  PRIOR APPLICATION NUMBER: 60/151733
;  PRIOR FILING DATE: 1999-08-31
;  PRIOR APPLICATION NUMBER: 60/164418
;  PRIOR FILING DATE: 1999-11-09
;  PRIOR APPLICATION NUMBER: 60/166361
;  PRIOR FILING DATE: 1999-11-16
;  PRIOR APPLICATION NUMBER: 60/169445
;  PRIOR FILING DATE: 1999-12-07
;  PRIOR APPLICATION NUMBER: 60/169495
;  PRIOR FILING DATE: 1999-12-07
;  PRIOR APPLICATION NUMBER: 60/169835

  Query Match             99.2%;  Score 1277;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 15
US-10-219-076-236
; Sequence 236, Application US/10219076
; Publication No. US20030078379A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C62
;  CURRENT APPLICATION NUMBER: US/10/219,076
;  CURRENT FILING DATE:  2002-08-14
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-219-076-236

  Query Match             99.2%;  Score 1277;  DB 14;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-96;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


Search completed: August  4, 2005, 06:47:28
Job time : 67.3695 secs
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OM protein - protein search, using sw model

Run on: August 4, 2005, 05:53:15 ; Search time 75.0264 Seconds
(without alignments)
1268.128 Million cell updates/sec

Title: US-10-607-565-83
Perfect score: 1287
Sequence: 1 MAELPGPFLCGALLGFLCLS.....SCELTLSVTEPSQGRVAELX 246

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_16Dec04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1286	99.9	245	3	AAB08940	Aab08940 Human sec
2	1286	99.9	246	3	AAB08926	Aab08926 Human sec
3	1277	99.2	327	3	AAY87251	Aay87251 Human sig
4	1277	99.2	327	3	AAY94857	Aay94857 Human pro
5	1277	99.2	327	4	AAY97585	Aay97585 Human sec
6	1277	99.2	327	5	ABB90354	Abb90354 Human pol
7	1277	99.2	327	5	AAU83709	Aau83709 Human PRO
8	1277	99.2	327	6	ABU80856	Abu80856 Human PRO
9	1277	99.2	327	6	ABO33822	Abo33822 Novel hum
10	1277	99.2	327	6	ABU82165	Abu82165 Novel hum
11	1277	99.2	327	6	ABJ72345	Abj72345 Human PRO
12	1277	99.2	327	6	ABJ72473	Abj72473 Human PRO
13	1277	99.2	327	6	ABO34368	Abo34368 Human sec
14	1277	99.2	327	7	ABJ72175	Abj72175 Human mem
15	1277	99.2	327	7	ADB83726	Adb83726 Novel hum
16	1277	99.2	327	7	ADB80832	Adb80832 Novel hum
17	1277	99.2	327	7	ADB73373	Adb73373 Novel hum
18	1277	99.2	327	7	ADB78455	Adb78455 Novel hum
19	1277	99.2	327	7	ADB85103	Adb85103 Human PRO
20	1277	99.2	327	7	ADB78209	Adb78209 Novel hum
21	1277	99.2	327	7	ADB87275	Adb87275 Human PRO
22	1277	99.2	327	7	ADB84857	Adb84857 Human PRO
23	1277	99.2	327	7	ADB83972	Adb83972 Novel hum
24	1277	99.2	327	7	ADB73127	Adb73127 Novel hum
25	1277	99.2	327	7	ADC36965	Adc36965 Human PRO
26	1277	99.2	327	7	ADC21955	Adc21955 Human PRO
27	1277	99.2	327	7	ADC49986	Adc49986 Novel hum
28	1277	99.2	327	7	ADC49185	Adc49185 Novel hum
29	1277	99.2	327	7	ADC49702	Adc49702 Novel hum
30	1277	99.2	327	7	ADC47563	Adc47563 Novel hum
31	1277	99.2	327	7	ADC47308	Adc47308 Novel hum
32	1277	99.2	327	7	ADC78183	Adc78183 Novel hum
33	1277	99.2	327	7	ADD06418	Add06418 Novel hum
34	1277	99.2	327	7	ADC77937	Adc77937 Novel hum
35	1277	99.2	327	7	ADD50900	Add50900 Novel hum
36	1277	99.2	327	7	ADD51146	Add51146 Novel hum
37	1277	99.2	327	7	ADD50627	Add50627 Human PRO
38	1277	99.2	327	7	ADD50381	Add50381 Human PRO
39	1277	99.2	327	7	ADD51392	Add51392 Novel hum
40	1277	99.2	327	8	ADC48939	Adc48939 Novel hum
41	1277	99.2	327	8	ADE21110	Ade21110 Novel hum
42	1277	99.2	327	8	ADE05954	Ade05954 Human PRO
43	1277	99.2	327	8	ADD75183	Add75183 Human PRO
44	1277	99.2	327	8	ADD75929	Add75929 Novel hum
45	1277	99.2	327	8	ADD85161	Add85161 Novel hum

ALIGNMENTS

RESULT 1
AAB08940
ID AAB08940 standard; protein; 245 AA.
XX
AC AAB08940;
XX
DT 30-AUG-2000 (first entry)
XX
DE Human secreted protein sequence encoded by gene 13 SEQ ID NO:97.
XX
KW Human; secreted protein; cytostatic; anti-proliferative; vulnerary;
KW immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis;
KW hyperproliferative disorder; infectious disease; tissue regeneration;
KW screening; food additive; preservative; wound healing;
KW hyper-vascular disease; chromsome 11.
XX
OS Homo sapiens.
XX
PN WO200017222-A1.
XX
PD 30-MAR-2000.
XX
PF 22-SEP-1999; 99WO-US022012.
XX
PR 23-SEP-1998; 98US-0101546P.
PR 02-OCT-1998; 98US-0102895P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Ruben SM, Rosen CA, Duan RD, Shi Y, Lafleur DW, Young PE, Ni J;
PI Komatsoulis G, Endress GA, Soppet DR;
XX
DR WPI; 2000-283538/24.
XX
PT Human secreted proteins and coding sequences useful in diagnostic and
PT therapeutic methods for disorders such as immune system or proliferative
PT disorders, related to the proteins.
XX
PS Disclosure; Page 40; 416pp; English.
XX
CC The polynucleotide sequences given in AAA39052 to AAA39088 encode the
CC human secreted proteins given in AAB08891 to AAB08984. The human secreted
CC proteins can have activities based on the tissues and cells they are
CC expressed in. Examples of the activities are: cytostatic; anti-
CC proliferative; immunosuppressive; antibacterial; and vulnerary. The
CC secreted proteins and their related polynucleotide sequences are useful
CC for diagnostic and therapeutic methods useful for diagnosing and treating
CC disorders related to the secreted proteins. The proteins, and

```
CC   polynucleotide sequences may be useful for treating disorders of the
CC   immune system, hyperproliferative disorders, infectious disease,
CC   regeneration of tissues, for chemotaxis and for screening molecules that
CC   bind to the proteins. The proteins or polynucleotide sequences may be
CC   used as food additives or preservatives, to increase or decrease storage
CC   capabilities, fat content, lipid, protein, carbohydrate, vitamins,
CC   minerals, co-factors or other nutritional components. Agonists or
CC   antagonists of the proteins may be used to prevent scar tissue growth
CC   during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051
CC   and AAB08890 are sequences used in the exemplification of the present
CC   invention
XX
SQ   Sequence 245 AA;

  Query Match           99.9%;  Score 1286;  DB 3;  Length 245;
  Best Local Similarity   100.0%;  Pred. No. 6.1e-85;
  Matches  245;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAEL 245
              |||||
Db        241 RVAEL 245


RESULT 2
AAB08926
ID   AAB08926 standard; protein; 246 AA.
XX
AC   AAB08926;
XX
DT   30-AUG-2000  (first entry)
XX
DE   Human secreted protein sequence encoded by gene 13 SEQ ID NO:83.
XX
KW   Human; secreted protein; cytostatic; anti-proliferative; vulnerary;
KW   immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis;
KW   hyperproliferative disorder; infectious disease; tissue regeneration;
KW   screening; food additive; preservative; wound healing;
KW   hyper-vascular disease; chromsome 11.
XX
OS   Homo sapiens.
XX
PN   WO200017222-A1.
XX
PD   30-MAR-2000.
XX
PF   22-SEP-1999;   99WO-US022012.
XX
PR   23-SEP-1998;   98US-0101546P.
PR   02-OCT-1998;   98US-0102895P.
XX
PA   (HUMA-) HUMAN GENOME SCI INC.
XX
PI   Ruben SM,  Rosen CA,  Duan RD,  Shi Y,  Lafleur DW,  Young PE,  Ni J;
PI   Komatsoulis G,  Endress GA,  Soppet DR;
XX
DR   WPI; 2000-283538/24.
DR   N-PSDB; AAA39087.
XX
PT   Human secreted proteins and coding sequences useful in diagnostic and
PT   therapeutic methods for disorders such as immune system or proliferative
PT   disorders, related to the proteins.
XX
PS   Claim 11; Page 376-377; 416pp; English.
XX
CC   The polynucleotide sequences given in AAA39052 to AAA39088 encode the
CC   human secreted proteins given in AAB08891 to AAB08984. The human secreted
CC   proteins can have activities based on the tissues and cells they are
CC   expressed in. Examples of the activities are: cytostatic; anti-
CC   proliferative; immunosuppressive; antibacterial; and vulnerary. The
CC   secreted proteins and their related polynucleotide sequences are useful
CC   for diagnostic and therapeutic methods useful for diagnosing and treating
CC   disorders related to the secreted proteins. The proteins, and
CC   polynucleotide sequences may be useful for treating disorders of the
CC   immune system, hyperproliferative disorders, infectious disease,
CC   regeneration of tissues, for chemotaxis and for screening molecules that
CC   bind to the proteins. The proteins or polynucleotide sequences may be
CC   used as food additives or preservatives, to increase or decrease storage
CC   capabilities, fat content, lipid, protein, carbohydrate, vitamins,
CC   minerals, co-factors or other nutritional components. Agonists or
CC   antagonists of the proteins may be used to prevent scar tissue growth
CC   during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051
CC   and AAB08890 are sequences used in the exemplification of the present
CC   invention
XX
SQ   Sequence 246 AA;

  Query Match           99.9%;  Score 1286;  DB 3;  Length 246;
  Best Local Similarity   100.0%;  Pred. No. 6.1e-85;
  Matches  245;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAEL 245
              |||||
Db        241 RVAEL 245


RESULT 3
AAY87251
ID   AAY87251 standard; protein; 327 AA.
XX
AC   AAY87251;
XX
DT   11-MAY-2000  (first entry)
XX
DE   Human signal peptide containing protein HSPP-28 SEQ ID NO:28.
XX
KW   Human; signal peptide-containing protein; HSPP; diagnosis; cancer;
KW   inflammation; cardiovascular disease; anticancer; anti-inflammatory;
KW   antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic;
KW   antiasthmatic; gene therapy; cell proliferation; neurological disorder;
KW   reproductive disorder; developmental disorder; arteriosclerosis;
KW   cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;
KW   asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;
KW   Parkinson's disease; Huntington's diseases; ovulatory defect;
KW   muscular dystrophy.
```

XX
OS Homo sapiens.
XX
PN WO200000610-A2.
XX
PD 06-JAN-2000.
XX
PF 25-JUN-1999; 99WO-US014484.
XX
PR 26-JUN-1998; 98US-0090762P.
PR 31-JUL-1998; 98US-0094983P.
PR 01-OCT-1998; 98US-0102686P.
PR 11-DEC-1998; 98US-0112129P.
XX
PA (INCY-) INCYTE PHARM INC.
XX
PI Lal P, Tang YT, Gorgone GA, Corley NC, Guegler KJ, Baughn MR;
PI Akerblom IE, Au-Young J, Yue H, Patterson C, Reddy R, Hillman JL;
PI Bandman O;
XX
DR WPI; 2000-160673/14.
DR N-PSDB; AAZ98136.
XX
PT New human signal peptide-containing proteins useful in treatment,
PT prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
PT disease.
XX
PS Claim 1; Page 177-178; 327pp; English.
XX
CC AAZ98109 to AAZ98242 encode AAY87224 to AAY87357 which represent the
CC human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have
CC anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic,
CC neuroprotective, cardiovascular and antiasthmatic activities, and can be
CC used in gene therapy. HSPPs can be used to treat or prevent disorders
CC associated with decreased activity or function of HSPP. Antagonists of
CC HSPP are used to treat or prevent disorders associated with increased
CC activity or function of HSPP. Such diseases include cell proliferation
CC (including cancer), inflammation, cardiovascular, neurological,
CC reproductive or developmental disorders, (e.g. arteriosclerosis,
CC cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia,
CC asthma, Crohn's disease, microbial or other infections, congestive or
CC ischaemic heart disease, Alzheimer's, Parkinson's or Huntington's
CC diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP
CC nucleic acids can be used for the recombinant production of HSPP, for
CC detecting HSPP in standard hybridisation and amplification assays (for
CC diagnosis and monitoring), in gene therapy, as antisense, triplex-forming
CC or ribozyme therapeutics, for detecting related sequences or genetic
CC variations, and for chromosomal mapping. HSPP are also used to raise
CC specific antibodies (Ab) and to screen for agonists and antagonists
CC (potential therapeutic agents). Ab are used to diagnose, or monitor, HSPP
CC -related diseases (in usual immunoassays), as therapeutic antagonists, in
CC competitive drug screens, and for purification of HSPP from natural
CC sources
XX
SQ Sequence 327 AA;

Query Match 99.2%; Score 1277; DB 3; Length 327;
Best Local Similarity 100.0%; Pred. No. 3.8e-84;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 4
AAY94857
ID AAY94857 standard; protein; 327 AA.
XX
AC AAY94857;
XX
DT 12-JUN-2000 (first entry)
XX
DE Human protein clone HP10568.
XX
KW Human protein; hydrophobic domain; nutritional source; haematopoiesis;
KW cytokine production; cell proliferation; cell differentiation;
KW immune deficiency; infectious disease; autoimmune disorder; asthma;
KW multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis;
KW allergic reaction; osteoporosis; osteoarthritis; periodontal disease;
KW nervous system disorder; Alzheimer's disease; Parkinson's disease;
KW Huntington's disease; liver fibrosis; lung fibrosis; reperfusion injury;
KW systemic cytokine damage; tissue differentiation; contraceptive; stroke;
KW coagulation disorder; myocardial infarction; inflammatory condition;
KW septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour;
KW nephritis; therapy.
XX
OS Homo sapiens.
XX
PN WO200005367-A2.
XX
PD 03-FEB-2000.
XX
PF 22-JUL-1999; 99WO-JP003929.
XX
PR 24-JUL-1998; 98JP-00208820.
PR 07-AUG-1998; 98JP-00224105.
PR 25-AUG-1998; 98JP-00238116.
PR 09-SEP-1998; 98JP-00254736.
PR 29-SEP-1998; 98JP-00275505.
XX
PA (SAGA) SAGAMI CHEM RES CENT.
PA (PROT-) PROTEGENE INC.
XX
PI Kato S, Kimura T;
XX
DR WPI; 2000-182694/16.
XX
PT Novel human proteins having hydrophobic domains useful for treating
PT osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple
PT sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.
XX
PS Claim 1; Page 183-184; 351pp; English.
XX
CC This sequence represents a human protein of the invention, which has
CC hydrophobic domains. The DNA sequences can be used as a probe or as a
CC genetic marker. The protein can also be used as a marker, and to identify
CC potential genetic disorders. The DNA and protein can also be used as
CC nutritional sources or supplements. The protein exhibits cytokine, cell
CC proliferation, cell differentiation activities and induces production of
CC other cytokines in certain cell populations. The protein also exhibits
CC immune stimulating or immune suppressing activity. It can be used in the
CC treatment of various immune deficiencies and disorders, and to treat
CC infectious diseases caused by viral, bacterial, fungal or other
CC infections. The protein is also used for treating autoimmune disorders
CC such as multiple sclerosis, systemic lupus erythematosus, and rheumatoid
CC arthritis. It is also useful in the treatment of allergic reactions and
CC conditions such as asthma, and in immune suppression after organ
CC transplantation. The protein is useful in regulation of haematopoiesis
CC and consequently in the treatment of myeloid or lymphoid cell

CC deficiencies. It is also used in compositions for tissue growth or
CC regeneration. The protein is also used in the treatment of osteoporosis
CC or osteoarthritis and in the treatment of periodontal disease and other
CC tooth repair processes. The protein is used in the treatment of nervous
CC system disorders such as Alzheimer's disease, Parkinson's disease, and
CC Huntington's disease. They are useful for protection or regeneration and
CC treatment of lung or liver fibrosis, reperfusion injury in various
CC tissues, and conditions resulting from systemic cytokine damage. They are
CC also used for promoting or inhibiting tissue differentiation. They are
CC also used as contraceptives since they exhibit activin or inhibin related
CC activities and as a fertility inducing therapeutic. They are used for
CC treating various coagulation disorders and in treatment and prevention of
CC conditions resulting from coagulation activities e.g. myocardial
CC infarction or stroke. They also acts as receptors, receptor ligands or
CC inhibitors or agonists of receptor/ligand interactions. They are used to
CC treat inflammatory conditions such as septic shock, sepsis, ischaemia
CC reperfusion injury, arthritis, and nephritis. They can be used to prevent
CC tumours
XX
SQ Sequence 327 AA;

Query Match 99.2%; Score 1277; DB 3; Length 327;
Best Local Similarity 100.0%; Pred. No. 3.8e-84;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MAELPGPPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 5
AAY97585
ID AAY97585 standard; protein; 327 AA.
XX
AC AAY97585;
XX
DT 05-APR-2001 (first entry)
XX
DE Human secreted protein PRO7154.
XX
KW Secreted protein; human; PRO protein; neoplastic cell growth; tumour;
KW proliferation; leukaemia; lymphoid malignancy; inflammatory disorder;
KW angiogenic disorder; immunologic disorder; PRO7154.
XX
OS Homo sapiens.
XX
PN WO200075317-A2.
XX
PD 14-DEC-2000.
XX
PF 15-MAY-2000; 2000WO-US013358.
XX
PR 09-JUN-1999; 99US-0138385P.
PR 20-JUL-1999; 99US-0144790P.
PR 03-AUG-1999; 99US-0146843P.
PR 10-AUG-1999; 99US-0148188P.
PR 17-AUG-1999; 99US-0149320P.
PR 17-AUG-1999; 99US-0149327P.
PR 17-AUG-1999; 99US-0149396P.
PR 20-AUG-1999; 99US-0150114P.
PR 31-AUG-1999; 99US-0151700P.
PR 31-AUG-1999; 99US-0151734P.
XX
PA (GETH) GENENTECH INC.
XX
PI Botstein DA, Goddard A, Gurney AL, Smith V, Watanabe CK, Wood WI;
XX
DR WPI; 2001-071075/08.
DR N-PSDB; AAA91019.
XX
PT Antibodies against PRO polypeptides, useful for diagnosing and treating
PT tumors are associated with gene amplification, neoplastic cell growth and
PT proliferation in mammals.
XX
PS Claim 61; Fig 12; 143pp; English.
XX
CC This sequence is a human PRO protein of the invention. The PRO proteins
CC are secreted proteins. Antagonists or antibodies of PRO polypeptides are
CC useful for diagnosing and treating tumours are associated with gene
CC amplification, neoplastic cell growth and proliferation in mammals, and
CC those conditions characterised by overexpression and/or activation of the
CC amplified genes. Such conditions include benign or malignant tumours
CC (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian,
CC colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic
CC carcinomas, sarcomas, glioblastomas and various head and neck tumours);
CC leukaemias and lymphoid malignancies; neuronal, glial, astrocytal,
CC hypothalamic, and other glandular, macrophageal, epithelial, stromal and
CC blastocoelic disorders; and inflammatory, angiogenic and immunologic
CC disorders. These may further be used to qualitatively or quantitatively
CC detect the expression of proteins encoded by the amplified genes, and in
CC tumour diagnostics or prognostics. The PRO polypeptide or its antagonist
CC may be used for the preparation of a medicament in the treatment of a
CC condition, which is responsive to the PRO polypeptide, its antagonist or
CC anti-PRO antibody
XX
SQ Sequence 327 AA;

Query Match 99.2%; Score 1277; DB 4; Length 327;
Best Local Similarity 100.0%; Pred. No. 3.8e-84;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MAELPGPPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 6
ABB90354
ID ABB90354 standard; protein; 327 AA.
XX
AC ABB90354;
XX
DT 24-MAY-2002 (first entry)
XX

```
DE   Human polypeptide SEQ ID NO 2730.
XX
KW   Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral;
KW   antiallergic; hepatotropic; antidiabetic; antiinflammatory; antiulcer;
KW   vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic;
KW   cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder;
KW   neurological disease; infection; human; secreted protein.
XX
OS   Homo sapiens.
XX
PN   WO200190304-A2.
XX
PD   29-NOV-2001.
XX
PF   18-MAY-2001; 2001WO-US016450.
XX
PR   19-MAY-2000; 2000US-0205515P.
XX
PA   (HUMA-) HUMAN GENOME SCI INC.
XX
PI   Birse CE,  Rosen CA;
XX
DR   WPI; 2002-122018/16.
DR   N-PSDB; ABL90763.
XX
PT   Novel 1405 isolated polypeptides, useful for diagnosis, treatment and
PT   prevention of neural, immune system, muscular, reproductive,
PT   gastrointestinal, pulmonary, cardiovascular, renal and proliferative
PT   disorders.
XX
PS   Claim 11; SEQ ID NO 2730; 2081pp + Sequence Listing; English.
XX
CC   The invention relates to novel genes (ABL89449-ABL90853) and proteins
CC   (ABB89040-ABB90444) useful for preventing, treating or ameliorating
CC   medical conditions e.g. by protein or gene therapy. The genes are
CC   isolated from a range of human tissues disclosed in the specification.
CC   The nucleic acids, proteins, antibodies and (ant)agonists are useful in
CC   the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and
CC   ovarian cancer and other cancers of the adrenal gland, bone, bone marrow,
CC   breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune
CC   disorders e.g. Addison's disease, allergies, autoimmune haemolytic
CC   anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease,
CC   multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c)
CC   cardiovascular disorders such as myocardial ischaemias; (d) wound healing
CC   ; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f)
CC   infectious diseases such as viral, bacterial, fungal and parasitic
CC   infections. Note: The sequence data for this patent did not form part of
CC   the printed specification, but was obtained in electronic format directly
CC   from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX
SQ   Sequence 327 AA;

  Query Match             99.2%;  Score 1277;  DB 5;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 7
AAU83709
ID   AAU83709 standard; protein; 327 AA.
XX
AC   AAU83709;
XX
DT   08-MAY-2002  (first entry)
XX
DE   Human PRO protein, Seq ID No 236.
XX
KW   Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW   breast cancer; prostate tumour; rectal tumour; liver tumour;
KW   pericyte cell proliferation; chondrocyte cell proliferation;
KW   tumour necrosis factor-alpha.
XX
OS   Homo sapiens.
XX
PN   WO200208288-A2.
XX
PD   31-JAN-2002.
XX
PF   29-JUN-2001; 2001WO-US021066.
XX
PR   20-JUL-2000; 2000US-0219556P.
PR   25-JUL-2000; 2000US-0220585P.
PR   25-JUL-2000; 2000US-0220605P.
PR   25-JUL-2000; 2000US-0220607P.
PR   25-JUL-2000; 2000US-0220624P.
PR   25-JUL-2000; 2000US-0220638P.
PR   25-JUL-2000; 2000US-0220664P.
PR   25-JUL-2000; 2000US-0220666P.
PR   26-JUL-2000; 2000US-0220893P.
PR   28-JUL-2000; 2000WO-US020710.
PR   01-AUG-2000; 2000US-0222425P.
PR   22-AUG-2000; 2000US-0227133P.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   10-NOV-2000; 2000WO-US030873.
PR   28-NOV-2000; 2000US-0253646P.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   22-MAR-2001; 2001US-00816744.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   25-MAY-2001; 2001WO-US017092.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2002-172001/22.
DR   N-PSDB; ABK33653.
XX
PT   One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT   useful for treating a PRO related disorder and for diagnosing tumors such
PT   as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
PT   or liver tumor.
XX
PS   Claim 11; Fig 236; 359pp; English.
XX
CC   The invention relates to one hundred and twenty two nucleic acids
CC   encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
CC   encode human secreted proteins. The PRO nucleic acids, polypeptides,
CC   agonists and antagonists are useful for treating a PRO related disorder.
CC   The PRO polypeptides are useful for diagnosing tumours, especially lung
```

```
CC   cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
CC   liver tumour. The PRO polypeptides are useful for stimulating the
CC   proliferation of, or gene expression, in pericyte cells, for stimulating
CC   the proliferation or differentiation of chondrocyte cells, for
CC   stimulating the release of tumour necrosis factor-alpha from human blood,
CC   for stimulating or inhibiting the proliferation of normal human dermal
CC   fibroblast cells. The PRO polypeptide may also be used as molecular
CC   weight markers and for tissue typing. The PRO nucleic acids have
CC   applications in molecular biology, including use as hybridisation probes,
CC   and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO
CC   protein sequences of the invention
XX
SQ   Sequence 327 AA;

  Query Match             99.2%;  Score 1277;  DB 5;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 8
ABU80856
ID   ABU80856 standard; protein; 327 AA.
XX
AC   ABU80856;
XX
DT   23-JUN-2003  (first entry)
XX
DE   Human PRO polypeptide #118.
XX
KW   Human; PRO polypeptide; secreted and transmembrane protein;
KW   anti-PRO antibody; diagnostic assay; gene expression; tumour; cytostatic.
XX
OS   Homo sapiens.
XX
PN   US2003036635-A1.
XX
PD   20-FEB-2003.
XX
PF   28-AUG-2002; 2002US-00230163.
XX
PR   25-JUL-2000; 2000US-0220638P.
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-342045/32.
DR   N-PSDB; ACA66958.
XX
PT   One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT   useful for the manufacture of a medicament for diagnosing or treating
PT   tumor.
XX
PS   Claim 11; Fig 236; 314pp; English.
XX
CC   The present invention relates to the isolation of novel human PRO
CC   polypeptides, and the polynucleotide sequences encoding them. The PRO
CC   polypeptides are secreted and transmembrane proteins. The PRO
CC   polypeptides and polynucleotides are useful for preparing a medicament
CC   useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are
CC   useful in diagnostic assays for PRO, by detecting its expression in
CC   specific cells, tissues or serum, and for affinity purification of PRO
CC   from recombinant cell culture or natural sources. ABU80739-ABU80860
CC   represent the human PRO polypeptides of the invention. Note: The sequence
CC   data for this patent was obtained in electronic format directly from the
CC   USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
XX
SQ   Sequence 327 AA;

  Query Match             99.2%;  Score 1277;  DB 6;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 9
ABO33822
ID   ABO33822 standard; protein; 327 AA.
XX
AC   ABO33822;
XX
DT   17-SEP-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   Human; secreted and transmembrane protein; PRO; cytostatic;
KW   antiarthritic; osteopathic; gene therapy; TNF-Agonist-Alpha;
KW   chondrocyte stimulator; pericyte stimulator; fibroblast modulator;
KW   pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour;
KW   colon tumour; breast tumour; prostate tumour; rectal tumour;
KW   liver tumour; bone disorder; cartilage disorder; sports injury;
KW   arthritis; wound.
XX
OS   Homo sapiens.
XX
PN   US2003045687-A1.
XX
PD   06-MAR-2003.
XX
PF   12-AUG-2002; 2002US-00218631.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
```

PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-512315/48.
DR N-PSDB; ACD68710.
XX
PT New genes, and its encoded secreted and transmembrane polypeptides,
PT useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or
PT pericyte proliferation, especially for treating lung tumors, arthritis or
PT wounds in a mammal.
XX
PS Claim 11; Fig 236; 314pp; English.
XX
CC The invention describes an isolated nucleic acid molecule comprising a
CC sequence with at least 80% identity to: (a) a nucleotide encoding any of
CC 122 PRO (secreted and transmembrane) polypeptides whose sequences are
CC fully defined in the specification; or (b) any of 122 nucleotide
CC sequences having e.g. 4834, 2504 or 1759 bp fully defined in the
CC specification; or the full length coding sequence of any these 122
CC nucleotide sequences. The PRO polypeptides or polynucleotides are useful
CC as pharmaceuticals, diagnostics, biosensors or bioreactors. These are
CC particularly useful for detecting tumours (e.g. lung tumour, colon
CC tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)
CC in a mammal, for stimulating the release of TNF-alpha from human blood,
CC for stimulating the proliferation or differentiation of chondrocyte
CC cells, for stimulating proliferation of pericyte cells, or for modulating
CC normal human dermal fibroblast proliferation. The PRO nucleic acid or
CC polypeptide is also useful for treating tumours or various bone and/or
CC cartilage disorders (e.g. sports injuries or arthritis), or wounds. The
CC PRO polypeptides are useful in drug screening, particularly as targets
CC for therapeutic intervention in these diseases, and in the diagnostic
CC determination of the presence of these diseases. The PRO polypeptides are
CC also useful as molecular weight markers, or for chromosome
CC identification. The PRO genes are useful as hybridisation probes, or for
CC screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
CC also be used in gene therapy, particularly for replacing a defective
CC gene. This is the amino acid sequence of a novel human secreted and
CC transmembrane PRO polypeptide
XX
SQ Sequence 327 AA;

Query Match 99.2%; Score 1277; DB 6; Length 327;
Best Local Similarity 100.0%; Pred. No. 3.8e-84;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
Db 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy 61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
Db 61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy 121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
Db 121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy 181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
Db 181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy 241 RVA 243
Db 241 RVA 243

RESULT 10
ABU82165
ID ABU82165 standard; protein; 327 AA.
XX
AC ABU82165;
XX
DT 25-JUN-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO7154.
XX
KW Human; secreted and transmembrane protein; PRO; cardiant; cytostatic;
KW antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic;
KW gene therapy; cardiovascular disorder; endothelial disorder;
KW angiogenic disorder; cardiac hypertrophy; trauma; cancer;
KW age-related macular degeneration; atherosclerosis; hypertension;
KW arterial restenosis; rheumatoid arthritis; angina; myocardial infarction;
KW thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma;
KW liver carcinoma; wound healing; chromosome mapping; gene mapping.
XX
OS Homo sapiens.
XX
PN US2003088063-A1.
XX
PD 08-MAY-2003.
XX
PF 12-AUG-2002; 2002US-00219003.
XX
PR 25-JUL-2000; 2000US-0220664P.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-393229/37.
DR N-PSDB; ACA68614.
XX
PT One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal.
XX
PS Claim 11; Fig 236; 314pp; English.
XX
CC The invention describes one hundred and eighty seven nucleic acids
CC encoding novel human secreted and transmembrane (PRO) polypeptides. The
CC PRO nucleic acids, polypeptides, agonists and antagonists are useful for
CC treating or diagnosing a cardiovascular, endothelial or angiogenic
CC disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-
CC related macular degeneration, atherosclerosis, hypertension, arterial
CC restenosis, rheumatoid arthritis, angina, myocardial infarctions,
CC thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast
CC carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids
CC have applications in molecular biology, including use as hybridisation
CC probes, and in chromosome and gene mapping. This is the amino acid
CC sequence of a novel human secreted and transmembrane PRO polypeptide
XX
SQ Sequence 327 AA;

Query Match 99.2%; Score 1277; DB 6; Length 327;
Best Local Similarity 100.0%; Pred. No. 3.8e-84;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
Db 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy 61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
Db 61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy 121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
Db 121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

```
Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 11
ABJ72345
ID ABJ72345 standard; protein; 327 AA.
XX
AC ABJ72345;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human PRO7154 protein.
XX
KW PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte;
KW differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
XX
OS Homo sapiens.
XX
PN US2003050448-A1.
XX
PD 13-MAR-2003.
XX
PF 28-AUG-2002; 2002US-00230414.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-521818/49.
DR N-PSDB; ABT44343.
XX
PT New nucleic acid encoding for a PRO protein, useful for the manufacture
PT of a medicament for diagnosing or treating tumors or for measuring or
PT detecting expression of an associated gene.
XX
PS Claim 11; Fig 236; 315pp; English.
XX
CC The invention relates to a novel isolated nucleic acid encoding a fully
CC defined PRO polypeptide. The molecules of the invention may be useful for
CC stimulating proliferation or gene expression in pericyte cells or the
CC release of TNF-alpha from human blood. Other possible uses include the
CC stimulation or inhibition of chondrocyte proliferation or
CC differentiation, the stimulation of human dermal fibroblast cell
CC proliferation and the detection of the presence of a tumour within a
CC mammal. Furthermore, the nucleic acid may be useful for the manufacture
CC of a medicament for diagnosing or treating a tumour within a mammal or
CC for measuring or detecting the expression of an associated gene, as well
CC as during gene therapy. The current sequence is that of the human PRO
CC protein of the invention
XX
SQ Sequence 327 AA;

```
  Query Match            99.2%;  Score 1277;  DB 6;  Length 327;
  Best Local Similarity  100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 12
ABJ72473
ID ABJ72473 standard; protein; 327 AA.
XX
AC ABJ72473;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human PRO7154 protein.
XX
KW PRO; blood; proliferation; pericyte cell; TNF alpha; chondrocyte;
KW tumour necrosis factor; proliferation; differentiation; gene therapy;
KW dermal fibroblast.
XX
OS Homo sapiens.
XX
PN US2003027988-A1.
XX
PD 06-FEB-2003.
XX
PF 26-AUG-2002; 2002US-00227884.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-503301/47.
DR N-PSDB; ABT44626.
XX
PT New PRO protein encoding nucleic acid, useful for preparing PRO
PT polypeptides and anti-PRO antibodies for detecting the presence of a
PT tumor in a mammal.
XX
PS Claim 11; Fig 236; 324pp; English.
XX
CC The invention relates to a novel isolated PRO protein encoding nucleic
CC acid. The nucleic acid of the invention may be useful for preparing PRO
CC polypeptides and anti-PRO antibodies for detecting the presence of a
CC tumour in a mammal. Furthermore, the molecules of the invention may be
CC useful for stimulating proliferation or gene expression in pericyte
CC cells, the release of tumour necrosis factor (TNF)-alpha from human
CC blood, the proliferation or differentiation of chondrocyte cells and for
CC inhibiting the proliferation of normal human dermal fibroblast cells.
CC Finally, the molecules may be utilised during gene therapy. The current
CC sequence is that of the human PRO protein of the invention
XX
SQ Sequence 327 AA;

```
  Query Match            99.2%;  Score 1277;  DB 6;  Length 327;
  Best Local Similarity  100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 13
ABO34368
ID AB034368 standard; protein; 327 AA.
XX
AC AB034368;
XX
DT 19-SEP-2003 (first entry)
XX
DE Human secreted/transmembrane polypeptide PRO 7154.
XX
KW Human; chondrocyte stimulation; TNF-alpha stimulation; gene therapy;
KW human dermal fibroblast stimulation; tumour; tissue typing;
KW affinity purification.
XX
OS Homo sapiens.
XX
PN US2003044934-A1.
XX
PD 06-MAR-2003.
XX
PF 28-AUG-2002; 2002US-00230338.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-492274/46.
DR N-PSDB; ACD82293.
XX
PT New transmembrane polypeptides and nucleic acids encoding the
PT polypeptides, useful in gene therapy, in chromosome identification, as
PT chromosome markers, or in generating probes.
XX
PS Claim 19; Fig 236; 315pp; English.
XX
CC The invention relates to an isolated nucleic acid encoding a PRO
CC polypeptide. Nucleic acids that encode PRO can be used to generate either
CC transgenic animals or knock-out animals useful in developing and
CC screening of therapeutically useful reagents. The nucleic acids may also
CC be used in gene therapy for replacing defective gene, in chromosome
CC identification, as chromosome markers, or in generating probes to isolate
CC full length PRO cDNA. The PRO polypeptides are useful for chondrocyte
CC stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation
CC and for detecting the presence of tumour in an mammal. The PRO
CC polypeptides are useful as molecular markers for protein electrophoresis
CC and the isolated nucleic acids may be used for recombinantly expressing
CC those markers. The PRO polypeptides and nucleic acids may also be used in
CC tissue typing. Anti-PRO antibodies are useful in diagnostic assays for
CC PRO and in affinity purification of PRO from recombinant cell culture or
CC natural sources. The present sequence represents the amino acid sequence
CC of a human secreted/transmembrane PRO polypeptide
XX
SQ Sequence 327 AA;

```
  Query Match             99.2%;  Score 1277;  DB 6;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243
```

RESULT 14
ABJ72175
ID ABJ72175 standard; protein; 327 AA.
XX
AC ABJ72175;
XX
DT 16-OCT-2003 (first entry)
XX
DE Human membrane bound receptor/protein PRO7154 amino acid sequence.
XX
KW Human; PRO; membrane bound protein; membrane bound receptor;
KW cell proliferation; cell migration; cell differentiation;
KW mitogenic factor; survival factor; cytotoxic factor;
KW differentiation factor; neuropeptide; hormone; cell receptor;
KW receptor-ligand interaction; cytostatic; chondrocyte; tumour.
XX
OS Homo sapiens.
XX
PN US2003065147-A1.
XX
PD 03-APR-2003.
XX
PF 29-AUG-2002; 2002US-00232224.
XX
PR 28-JUL-1999; 99US-0146222P.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-522018/49.
DR N-PSDB; ABT43999.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for the manufacture of a medicament for diagnosing or treating

```
PT   tumor.
XX
PS   Claim 11; Fig 236; 315pp; English.
XX
CC   This invention relates to one hundred and twenty two novel nucleic acids
CC   encoding human PRO membrane bound proteins or receptors. Extracellular
CC   proteins play important roles in the formation, differentiation and
CC   maintenance of multicellular organisms. The fate of many individual cells
CC   (for example proliferation, migration or differentiation) is typically
CC   governed by information received from other cells and the immediate
CC   environment. The information is often transmitted by secreted
CC   polypeptides (for example mitogenic factors, survival factors, cytotoxic
CC   factors, differentiation factors, neuropeptides and hormones) which are
CC   received and interpreted by diverse cell receptors or membrane bound
CC   proteins. These membrane bound proteins and receptors may be of use as
CC   pharmaceutical and diagnostic agents, such as in the blocking of receptor
CC   -ligand interactions. The current invention provides the amino acid
CC   sequences of novel human membrane bound receptors and proteins, along
CC   with the cDNA sequences encoding them. The novel proteins of the
CC   invention may have cytostatic activities through the stimulation of
CC   chondrocytes. The nucleic acids of the invention may be useful for the
CC   manufacture of a medicament for diagnosing or treating a tumour in a
CC   mammal. In addition, they may be useful for measuring or detecting the
CC   expression of a tumour associated gene. The present sequence is the amino
CC   acid sequence of a human PRO protein of the invention
XX
SQ   Sequence 327 AA;

  Query Match             99.2%;  Score 1277;  DB 7;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVA 243
              |||
Db        241 RVA 243


RESULT 15
ADB83726
ID   ADB83726 standard; protein; 327 AA.
XX
AC   ADB83726;
XX
DT   04-DEC-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   human; secreted and transmembrane protein; PRO; cytostatic; vulnerary;
KW   antiarthritic; pericyte cell proliferation;
KW   pericyte cell differentiation; chondrocyte cell proliferation;
KW   chondrocyte cell differentiation; tumour necrosis factor alpha release;
KW   (TNF)-alpha release; dermal fibroblast cell proliferation;
KW   dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;
KW   colon tumour; breast tumour; prostate tumour; rectal tumour;
KW   liver tumour; tissue typing; chromosome mapping; gene mapping;
KW   gene therapy.
XX
OS   Homo sapiens.
XX
PN   US2003073814-A1.
XX
PD   17-APR-2003.
XX
PF   12-AUG-2002; 2002US-00218849.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-644806/61.
DR   N-PSDB; ADB83725.
XX
PT   New PRO polypeptides and nucleic acids encoding the polypeptides, useful
PT   in gene therapy, chromosome identification, tissue typing, or as
PT   hybridization probes in chromosome and gene mapping.
XX
PS   Claim 11; Fig 236; 315pp; English.
XX
CC   The invention describes an isolated PRO (secreted and transmembrane)
CC   polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are
CC   useful for stimulating the proliferation of or gene expression in
CC   pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful
CC   for stimulating the proliferation or differentiation of chondrocyte
CC   cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide
CC   are useful for stimulating the release of tumour necrosis factor (TNF)-
CC   alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,
CC   PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,
CC   PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,
CC   PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412,
CC   PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,
CC   PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,
CC   PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,
CC   PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for
CC   stimulating the proliferation of normal human dermal fibroblasts cells.
CC   PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,
CC   PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for
CC   inhibiting the proliferation of normal human dermal fibroblast cells. PRO
CC   polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,
CC   are useful for detecting the presence of tumour in a mammal which
CC   involves comparing the level of expression of the above PRO polypeptides
CC   in a test sample of cells taken from the mammal, and a control sample of
CC   normal cells of the same cell type, where a higher level of expression of
CC   the PRO polypeptides in the test sample as compared to the control sample
CC   is indicative of the presence of tumour in the mammal. The tumour is lung
CC   tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or
CC   liver tumour. (I) is useful as molecular weight markers, for tissue
CC   typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is
CC   useful for chromosome and gene mapping or gene therapy. (II) is useful
CC   for generating transgenic animals or knock-out animals which are useful
CC   screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide
CC   is useful for treating bone and/or cartilage disorders (e.g., arthritis,
CC   sport injuries). This is the amino acid sequence of a human secreted and
CC   transmembrane PRO polypeptide.
XX
SQ   Sequence 327 AA;

  Query Match             99.2%;  Score 1277;  DB 7;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 3.8e-84;
  Matches  243;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy         121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy         181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy         241 RVA 243
                |||
Db         241 RVA 243
```

Search completed: August 4, 2005, 06:07:07
Job time : 76.0264 secs

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: August 4, 2005, 05:56:06 ; Search time 89.5513 Seconds
(without alignments)
1852.722 Million cell updates/sec

Title: US-10-607-565-60_COPY_4_327
Perfect score: 1685
Sequence: 1 LPGPPFLCGALLGFLCLSGLA.....ERPSSASTVTTTKSKLPMVV 324

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1612378 seqs, 512079187 residues

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : UniProt_03:*
1: uniprot_sprot:*
2: uniprot_trembl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1677	99.5	327	2	Q96IQ7	Q96iq7 homo sapien
2	1632	96.9	325	2	O95791	O95791 homo sapien
3	1462	86.8	284	2	Q9NX42	Q9nx42 homo sapien
4	1309	77.7	328	2	Q9Z109	Q9z109 mus musculu
5	1305	77.4	304	2	Q9CVA4	Q9cva4 mus musculu
6	988	58.6	248	2	Q9D0T4	Q9d0t4 mus musculu
7	408.5	24.2	387	2	Q86XK7	Q86xk7 homo sapien
8	408.5	24.2	412	2	Q6MZS4	Q6mzs4 homo sapien
9	399	23.7	259	2	Q7Z2Q1	Q7z2q1 homo sapien
10	392	23.3	430	2	Q8N4F1	Q8n4f1 homo sapien
11	389.5	23.1	407	2	Q9D2J4	Q9d2j4 mus musculu
12	359	21.3	432	2	Q6DDE7	Q6dde7 xenopus lae
13	358.5	21.3	318	2	Q91664	Q91664 xenopus lae
14	355	21.1	335	2	Q9PWR4	Q9pwr4 gallus gall
15	352	20.9	335	2	Q9YGH1	Q9ygh1 gallus gall
16	347	20.6	335	2	Q9YGV5	Q9ygv5 gallus gall
17	343	20.4	372	2	Q90Y50	Q90y50 brachydanio
18	338	20.1	323	2	Q8NDD2	Q8ndd2 homo sapien
19	334.5	19.9	319	2	Q9TU80	Q9tu80 canis famil
20	331.5	19.7	352	2	Q91W66	Q91w66 mus musculu
21	331.5	19.7	365	1	CXAR_MOUSE	P97792 mus musculu
22	331.5	19.7	365	2	Q9DBJ8	Q9dbj8 mus musculu
23	328.5	19.5	390	2	Q95KI3	Q95ki3 macaca fasc
24	324.5	19.3	394	2	Q925F2	Q925f2 mus musculu
25	322	19.1	365	2	Q8WMV3	Q8wmv3 bos taurus
26	319.5	19.0	300	2	Q9D9J0	Q9d9j0 mus musculu
27	319.5	19.0	319	2	Q9TU79	Q9tu79 sus scrofa
28	319.5	19.0	344	2	Q9R067	Q9r067 rattus norv
29	319.5	19.0	358	2	Q9R066	Q9r066 rattus norv
30	318.5	18.9	390	2	Q96AP7	Q96ap7 homo sapien
31	318.5	18.9	390	2	Q96T50	Q96t50 homo sapien
32	317	18.8	394	2	Q6AYD4	Q6ayd4 rattus norv
33	316.5	18.8	300	2	Q9DA22	Q9da22 mus musculu
34	316	18.8	406	2	Q8N7T8	Q8n7t8 homo sapien
35	312.5	18.5	344	2	Q9UKV4	Q9ukv4 homo sapien
36	312.5	18.5	365	1	CXAR_HUMAN	P78310 homo sapien
37	307	18.2	298	2	Q804R4	Q804r4 brachydanio
38	307	18.2	319	1	A33_HUMAN	Q99795 homo sapien
39	306.5	18.2	373	2	Q9H6B4	Q9h6b4 homo sapien
40	302.5	18.0	372	2	Q8K1G0	Q8k1g0 rattus norv
41	300.5	17.8	373	2	Q8R373	Q8r373 mus musculu
42	300	17.8	319	1	A33_MOUSE	Q9jka5 mus musculu
43	298	17.7	442	2	Q6NW88	Q6nw88 brachydanio
44	296.5	17.6	373	2	Q920S5	Q920s5 mus musculu
45	294	17.4	332	2	Q640U3	Q640u3 xenopus tro

ALIGNMENTS

RESULT 1
Q96IQ7
ID Q96IQ7 PRELIMINARY; PRT; 327 AA.
AC Q96IQ7;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE V-set and immunoglobulin domain containing 2 (CTH Variant).
GN Name=VSIG2; ORFNames=UNQ2770;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Colon;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA Jones S.J., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=Colon;
RA Director MGC Project;
RL Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
RN [3]
RP SEQUENCE FROM N.A.
RX MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
RA Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,
RA Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
RA Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,
RA Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,
RA Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J.,
RA Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,
RA Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.H., Yansura D.,
RA Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,
RA Godowski P.;

```
RT   "The secreted protein discovery initiative (SPDI), a large-scale
RT   effort to identify novel human secreted and transmembrane proteins: a
RT   bioinformatics assessment.";
RL   Genome Res. 13:2265-2270(2003).
DR   EMBL; BC007313; AAH07313.1; -.
DR   EMBL; AY358897; AAQ89256.1; -.
DR   HSSP; O88792; 1F97.
DR   GO; GO:0004872; F:receptor activity; IEA.
DR   InterPro; IPR007110; Ig-like.
DR   Pfam; PF00047; ig; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   327 AA;  34348 MW;  CF395AC7EF951AC1 CRC64;

  Query Match           99.5%;  Score 1677;  DB 2;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 1.9e-109;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 2
O95791
ID   O95791      PRELIMINARY;      PRT;   325 AA.
AC   O95791;
DT   01-MAY-1999 (TrEMBLrel. 10, Created)
DT   01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   CTH.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=99077161; PubMed=9862345;
RX   DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
RA   Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K.,
RA   White S.J., Du Pasquier L.;
RT   "CTX, a Xenopus thymocyte receptor, defines a molecular family
RT   conserved throughout vertebrates.";
RL   Eur. J. Immunol. 28:4094-4104(1998).
DR   EMBL; AF061022; AAD17522.1; -.
DR   HSSP; O88792; 1F97.
DR   GO; GO:0005887; C:integral to plasma membrane; TAS.
DR   GO; GO:0005624; C:membrane fraction; TAS.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   325 AA;  34239 MW;  B7B5B664CBCFF4BE CRC64;

  Query Match           96.9%;  Score 1632;  DB 2;  Length 325;
  Best Local Similarity   97.8%;  Pred. No. 2.7e-106;
  Matches  317;  Conservative    2;  Mismatches    3;  Indels    2;  Gaps    2;

Qy          1 LPGPPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              |||||||||||||||  |||||||||||||||||||||||||||||:|||||||||
Db          4 LPGPFLCGALLGFLCLX-LAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDTFALEWSFVQ 62

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         63 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 122

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        123 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 182

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              ||||||||||||||||||||||||||||||||||||:|||||||||||||| ||||
Db        183 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQLGSASCELTLSVTEPSQGRVT 242

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        243 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 302

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||| ||||||||||||||||
Db        303 KGFLERP-SASTVTTTKSKLPMVV 325


RESULT 3
Q9NX42
ID   Q9NX42      PRELIMINARY;      PRT;   284 AA.
AC   Q9NX42;
DT   01-OCT-2000 (TrEMBLrel. 15, Created)
DT   01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   Hypothetical protein FLJ20453.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RA   Watanabe K., Kumagai A., Itakura S., Yamazaki M., Tashiro H., Ota T.,
RA   Suzuki Y., Obayashi M., Nishi T., Shibahara T., Tanaka T.,
RA   Nakamura Y., Isogai T., Sugano S.;
RL   Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AK000460; BAA91179.1; -.
DR   HSSP; O88792; 1F97.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   284 AA;  29829 MW;  1F9E09C60856B9A9 CRC64;

  Query Match           86.8%;  Score 1462;  DB 2;  Length 284;
  Best Local Similarity   99.6%;  Pred. No. 1.8e-94;
  Matches  280;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183
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Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLR 281
              |||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLR 284


RESULT 4
Q9Z109
ID   Q9Z109      PRELIMINARY;      PRT;   328 AA.
AC   Q9Z109;
DT   01-MAY-1999 (TrEMBLrel. 10, Created)
DT   01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   CTM.
GN   Name=2210413P10Rik;
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=99077161; PubMed=9862345;
RX   DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
RA   Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K.,
RA   White S.J., Du Pasquier L.;
RT   "CTX, a Xenopus thymocyte receptor, defines a molecular family
RT   conserved throughout vertebrates.";
RL   Eur. J. Immunol. 28:4094-4104(1998).
DR   EMBL; AF061024; AAD17524.1; -.
DR   HSSP; O88792; 1F97.
DR   MGD; MGI:1928009; 2210413P10Rik.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003006; Ig_MHC.
DR   InterPro; IPR003596; Ig_v.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
DR   PROSITE; PS00290; IG_MHC; UNKNOWN_1.
SQ   SEQUENCE   328 AA;  34258 MW;  0DA4C7BF7E221255 CRC64;

  Query Match             77.7%;  Score 1309;  DB 2;  Length 328;
  Best Local Similarity   79.0%;  Pred. No. 1.1e-83;
  Matches  256;  Conservative   19;  Mismatches   49;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              | | |||| ||||:|||||||||| ||||||| | ||||||:|:| |||||:|||||||||
Db          5 LVGAFLCGHLLGFVCLSGLAVEVTVPTEPLSVPKGKTAELSCSYKTSVGDNFALEWSFVQ 64

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              |||||| | |:|||||||||||||: |  || :||| |:||||||: |||||||| |
Db         65 PGKPISASVPVLYFTNGHLYPTGSKADRAILLHDPPTGGLATLKLTDLRPSDTGTYLCNV 124

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              |||||||||||||||||||||:||||||||| |||| || | |||||||||||| ||
Db        125 NNPPDFYTNGLGLINLTVLVPPSHPLCSQSGQTLVGGSAALGCRSSEGAPKPVYNWERLC 184

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              : ||| |||||||||||||||||||||||||::||||||||| ||||:   ||||
Db        185 SSPTPPPGSMVQDEVSGQLILTNLSLTSSGTYRCVASHQMGSASCELNLSVTDSSDGRVA 244

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              | |||||||||||||||:||| |    |:||||||||||| |||: |   |||| |
Db        245 GTLIGVLLGVLLLSVAAFCLIRFQTEGTGAPRETYGGSDLREDATAPGVFEPASMRADHS 304

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              |  ||:   || :| ||| | |||
Db        305 KELLEKSPCASAMTPTKSXLSMVV 328


RESULT 5
```

```
Q9CVA4
ID   Q9CVA4      PRELIMINARY;      PRT;   304 AA.
AC   Q9CVA4;
DT   01-JUN-2001 (TrEMBLrel. 17, Created)
DT   01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Mus musculus adult male stomach cDNA, RIKEN full-length enriched
DE   library, clone:2210413P10 product:CTM homolog (Fragment).
GN   Name=2210413P10Rik;
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RX   MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
RA   Carninci P., Hayashizaki Y.;
RT   "High-efficiency full-length cDNA cloning.";
RL   Meth. Enzymol. 303:19-44(1999).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RX   MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RA   RIKEN FANTOM Consortium;
RT   "Functional annotation of a full-length mouse cDNA collection.";
RL   Nature 409:685-690(2001).
RN   [3]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RA   The FANTOM Consortium,
RA   the RIKEN Genome Exploration Research Group Phase I & II Team;
RT   "Analysis of the mouse transcriptome based on functional annotation of
RT   60,770 full-length cDNAs.";
RL   Nature 420:563-573(2002).
RN   [4]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RX   MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
RA   Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
RA   Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
RT   "Normalization and subtraction of cap-trapper-selected cDNAs to
RT   prepare full-length cDNA libraries for rapid discovery of new genes.";
RL   Genome Res. 10:1617-1630(2000).
RN   [5]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RX   MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
RA   Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
RA   Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
RA   Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
RA   Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
RA   Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
RA   Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
RA   Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
RT   "RIKEN integrated sequence analysis (RISA) system-384-format
RT   sequencing pipeline with 384 multicapillary sequencer.";
RL   Genome Res. 10:1757-1771(2000).
RN   [6]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Stomach;
RA   Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
RA   Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
RA   Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
RA   Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
RA   Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
RA   Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
RA   Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
RA   Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
RA   Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
RA   Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
RA   Muramatsu M., Hayashizaki Y.;
RL   Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
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DR   EMBL; AK008920; BAB25968.1; -.
DR   HSSP; O88792; 1F97.
DR   MGD; MGI:1928009; 2210413P10Rik.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003596; Ig_v.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
FT   NON_TER     304    304
SQ   SEQUENCE   304 AA;  31919 MW;  522BA38898AD7A9F CRC64;

  Query Match             77.4%;  Score 1305;  DB 2;  Length 304;
  Best Local Similarity   83.3%;  Pred. No. 1.9e-83;
  Matches  250;  Conservative   17;  Mismatches   33;  Indels    0;  Gaps    0;

Qy          1 LPGPPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              | | |||| |||||:|||||||||| ||||||| | ||||||:|:| |||||:|||||||||
Db          5 LVGAFLCGHLLGFVCLSGLAVEVTVPTEPLSVPKGKTAELSCSYKTSVGDNFALEWSFVQ 64

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              |||||| | |:|||||||||||||||: |  || :||| |:|||||||: |||||||||
Db         65 PGKPISASVPVLYFTNGHLYPTGSKADRAILLHDPPTGGLATLKLTDLRPSDTGTYLCNV 124

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              |||||||||||||||||||||:||||||||||||||| || | ||||||||||||| |||
Db        125 NNPPDFYTNGLGLINLTVLVPPSHPLCSQSGQTSVGGSAALGCRSSEGAPKPVYNWERLG 184

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              : ||| |||||||||||||||||||||||||||:|||||||||| ||||:  :||||
Db        185 SSPTPPPGSMVQDEVSGQLILTNLSLTSSGTYRCVASNQMGSASCELNLSVTDSSEGRVA 244

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              | |||||||||||||||||:|||||| |:||||||||||||| |||: |   |||| |
Db        245 GTLIGVLLGVLLLSVAAFCLIRFQKERKKEPKETYGGSDLREDATAPGVFEQASMRADHS 304


RESULT 6
Q9D0T4
ID   Q9D0T4      PRELIMINARY;      PRT;   248 AA.
AC   Q9D0T4;
DT   01-JUN-2001 (TrEMBLrel. 17, Created)
DT   01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   Mus musculus 18-day embryo whole body cDNA, RIKEN full-length enriched
DE   library, clone:1190004B15 product:CTM homolog.
GN   Name=2210413P10Rik;
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RX   MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
RA   Carninci P., Hayashizaki Y.;
RT   "High-efficiency full-length cDNA cloning.";
RL   Meth. Enzymol. 303:19-44(1999).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RX   MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RA   RIKEN FANTOM Consortium;
RT   "Functional annotation of a full-length mouse cDNA collection.";
RL   Nature 409:685-690(2001).
RN   [3]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RA   The FANTOM Consortium,
RA   the RIKEN Genome Exploration Research Group Phase I & II Team;
RT   "Analysis of the mouse transcriptome based on functional annotation of
RT   60,770 full-length cDNAs.";
RL   Nature 420:563-573(2002).
RN   [4]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RX   MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
RA   Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
RA   Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
RT   "Normalization and subtraction of cap-trapper-selected cDNAs to
RT   prepare full-length cDNA libraries for rapid discovery of new genes.";
RL   Genome Res. 10:1617-1630(2000).
RN   [5]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RX   MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
RA   Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
RA   Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
RA   Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
RA   Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
RA   Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
RA   Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
RA   Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
RT   "RIKEN integrated sequence analysis (RISA) system-384-format
RT   sequencing pipeline with 384 multicapillary sequencer.";
RL   Genome Res. 10:1757-1771(2000).
RN   [6]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Whole body;
RA   Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
RA   Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
RA   Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
RA   Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
RA   Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
RA   Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
RA   Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
RA   Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
RA   Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
RA   Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
RA   Muramatsu M., Hayashizaki Y.;
RL   Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AK004478; BAB23323.1; -.
DR   HSSP; O88792; 1F97.
DR   MGD; MGI:1928009; 2210413P10Rik.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 1.
SQ   SEQUENCE   248 AA;  26061 MW;  3146D8F85BD3BD81 CRC64;

  Query Match             58.6%;  Score 988;  DB 2;  Length 248;
  Best Local Similarity   62.3%;  Pred. No. 2.3e-61;
  Matches  202;  Conservative   14;  Mismatches   28;  Indels   80;  Gaps    1;

Qy          1 LPGPPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              | | |||| ||||:||||
Db          5 LVGAFLCGHLLGFVCLSG---------------------------------------- 22

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
                                                 |:|||||||: ||||||||| |
Db         23 ------------------------------------GLATLKLTDLRPSDTGTYLCNV 44

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              |||||||||||||||||||||:||||||||||||||| || | ||||||||||||| |||
Db         45 NNPPDFYTNGLGLINLTVLVPPSHPLCSQSGQTSVGGSAALGCRSSEGAPKPVYNWERLG 104

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              : ||| |||||||||||||||||||||||||||:|||||||||| ||||:  :||||
Db        105 SSPTPPPGSMVQDEVSGQLILTNLSLTSSGTYRCVASNQMGSASCELNLSVTDSSEGRVA 164

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              | |||||||||||||||||:|||||| |:|:|||||||||||| |||: |   |||| |
Db        165 GTLIGVLLGVLLLSVAAFCLIRFQKERKKEPRETYGGSDLREDATAPGVFEQASMRADHS 224

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              |  ||:   |||:||||||| |||
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Db        225 KELLEKSPCASTMTTTKSKLSMVV 248


RESULT 7
Q86XK7
ID   Q86XK7      PRELIMINARY;      PRT;   387 AA.
AC   Q86XK7;
DT   01-JUN-2003 (TrEMBLrel. 24, Created)
DT   01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
DT   25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE   V-set and immunoglobulin domain containing 1 (Hypothetical protein
DE   DKFZp686I1638).
GN   Name=VSIG1; Synonyms=DKFZp686I1638;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Testis;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Testis;
RA   Director MGC Project;
RL   Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
RN   [3]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Testis;
RG   The German cDNA Consortium;
RA   Ottenwaelder B., Obermaier B., Deutschenbaur S., Schaipp A.,
RA   Mewes H.W., Weil B., Amid C., Osanger A., Fobo G., Han M., Wiemann S.;
RL   Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC043216; AAH43216.1; -.
DR   EMBL; BX648658; CAH56142.1; -.
DR   HSSP; P06907; 1NEU.
DR   GO; GO:0016020; C:membrane; IEA.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   InterPro; IPR000920; Myelin_P0.
DR   Pfam; PF00047; ig; 1.
DR   PRINTS; PR00213; MYELINP0.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
KW   Hypothetical protein.
SQ   SEQUENCE   387 AA;  41811 MW;  F5D39F3B21FF1D0D CRC64;

  Query Match             24.2%;  Score 408.5;  DB 2;  Length 387;
  Best Local Similarity   34.8%;  Pred. No. 1.3e-20;
  Matches   95;  Conservative   54;  Mismatches   99;  Indels   25;  Gaps   10;

Qy         13 FLCLSGLA-----VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPI 65
              || || ||     |:| :|   ::  :|    | | |:|:|   :  :::|||

Db          9 FLILSCLAGQVSVVQVTIPDGFVNVTVGSNVTLICIYTTTVASREQLSIQWSFFHK---- 64

Qy         66 SESHPI-LYFT-NGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNP 123
                |  || :||:  |      |    |::   :|   | |:: :: : |:|:| |:| ||||
Db         65 KEMEPISIYFSQGGQAVAIGQFKDRITGSNDP---GNASITISHMQPADSGIYICDVNNP 121

Qy        124 PDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTF 182
              |||     |::|::||| || ||||  |:   | : :| | |: | | ||| | :| |
Db        122 PDFLGQNQGILNVSVLVKPSKPLCSVQGRPETGHTISLSCLSALGTPSPVYYWHKLEGRD 181

Qy        183 PTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGA 242
                |   :   :  :| |:: ||:    | |:| | |::|::|||: |: : |  | : ||
Db        182 IVPVKENF--NPTTGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVGIIVGA 239

Qy        243 LIGVLLGVLLLSVAAFCLVRFQ-----KERGKK 270
              ||| |:|  :: ::  |  | :     |||  |
Db        240 LIGSLVGAAII-ISVVCFARNKAKAKAKERNSK 271


RESULT 8
Q6MZS4
ID   Q6MZS4      PRELIMINARY;      PRT;   412 AA.
AC   Q6MZS4;
DT   05-JUL-2004 (TrEMBLrel. 27, Created)
DT   05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT   05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE   Hypothetical protein DKFZp686A1239 (Fragment).
GN   Name=DKFZp686A1239;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Human testis;
RG   The German Human cDNA Consortium;
RA   Ottenwaelder B., Obermaier B., Deutschenbaur S., Mewes H.W., Weil B.,
RA   Amid C., Osanger A., Fobo G., Han M., Wiemann S.;
RL   Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BX640913; CAE45954.1; -.
DR   GO; GO:0016020; C:membrane; IEA.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   InterPro; IPR003596; Ig_v.
DR   InterPro; IPR000920; Myelin_P0.
DR   Pfam; PF00047; ig; 1.
DR   PRINTS; PR00213; MYELINP0.
DR   SMART; SM00409; IG; 2.
DR   SMART; SM00408; IGc2; 2.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
KW   Hypothetical protein.
FT   NON_TER      1      1
SQ   SEQUENCE   412 AA;  44702 MW;  C1B4E005F0882C45 CRC64;

  Query Match             24.2%;  Score 408.5;  DB 2;  Length 412;
  Best Local Similarity   34.8%;  Pred. No. 1.4e-20;
  Matches   95;  Conservative   54;  Mismatches   99;  Indels   25;  Gaps   10;

Qy         13 FLCLSGLA-----VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPI 65
              || || ||     |:| :|   ::  :|    | | |:|:|   :  :::|||
Db         34 FLILSCLAGQVSVVQVTIPDGFVNVTVGSNVTLICIYTTTVASREQLSIQWSFFHK---- 89

Qy         66 SESHPI-LYFT-NGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNP 123
                |  || :||:  |      |    |::   :|   | |:: :: : |:|:| |:| ||||
Db         90 KEMEPISIYFSQGGQAVAIGQFKDRITGSNDP---GNASITISHMQPADSGIYICDVNNP 146

Qy        124 PDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTF 182
              |||     |::|::||| || ||||  |:   | : :| | |: | | ||| | :| |
Db        147 PDFLGQNQGILNVSVLVKPSKPLCSVQGRPETGHTISLSCLSALGTPSPVYYWHKLEGRD 206

Qy        183 PTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGA 242
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Db        207 IVPVKENF--NPTTGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVGIIVGA 264

Qy        243 LIGVLLGVLLLSVAAFCLVRFQ-----KERGKK 270
Db        265 LIGSLVGAAII-ISVVCFARNKAKAKAKERNSK 296


RESULT 9
Q7Z2Q1
ID   Q7Z2Q1      PRELIMINARY;      PRT;   259 AA.
AC   Q7Z2Q1;
DT   01-OCT-2003 (TrEMBLrel. 25, Created)
DT   01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   DJ889N15.1 (Novel protein similar to X. laevis Cortical Thymocyte
DE   Marker CTX) (Fragment).
GN   Name=dJ889N15.1;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RA   Grafham D.;
RL   Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AL031177; CAA20116.1; -.
DR   HSSP; O88792; 1F97.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
FT   NON_TER       1       1
FT   NON_TER     259     259
SQ   SEQUENCE   259 AA;  27813 MW;  66B729303B9A6B18 CRC64;

  Query Match             23.7%;  Score 399;  DB 2;  Length 259;
  Best Local Similarity   34.2%;  Pred. No. 4e-20;
  Matches   89;  Conservative   54;  Mismatches   97;  Indels   20;  Gaps    9;

Qy         21 VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPISESHPI-LYFT-N 76
Db          5 VQVTIPDGFVNVTVGSNVTLICIYTTTVASREQLSIQWSFFHK----KEMEPISIYFSQG 60

Qy         77 GHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINL 136
Db         61 GQAVAIGQFKDRITGSNDP---GNASITISHMQPADSGIYICDVNNPPDFLGQNQGILNV 117

Qy        137 TVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEV 195
Db        118 SVLVKPSKPLCSVQGRPETGHTISLSCLSALGTPSPVYYWHKLEGRDIVPVKENF--NPT 175

Qy        196 SGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGALIGVLLGVLLLSV 255
Db        176 TGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVGIIVGALIGSLVGAAII-I 234

Qy        256 AAFCLVRFQ-----KERGKK 270
Db        235 SVVCFARNKAKAKAKERNSK 254


RESULT 10
Q8N4F1
ID   Q8N4F1      PRELIMINARY;      PRT;   430 AA.
AC   Q8N4F1;
DT   01-OCT-2002 (TrEMBLrel. 22, Created)
DT   01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Brain and testis-specific immunoglobin superfamily protein.
GN   Name=IGSF11;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Brain;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Brain;
RA   Strausberg R.;
RL   Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC034411; AAH34411.1; -.
DR   HSSP; P78310; 1EAJ.
DR   Genew; HGNC:16669; IGSF11.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   430 AA;  46245 MW;  E53FC71BC10D049D CRC64;

  Query Match             23.3%;  Score 392;  DB 2;  Length 430;
  Best Local Similarity   32.6%;  Pred. No. 2.2e-19;
  Matches  105;  Conservative   57;  Mismatches  132;  Indels   28;  Gaps   13;

Qy         10 LLGFLCLS--GLAVEVKVPTEP--LSTPLGKTAELTCTYSTSVG-DSFALEWSFVQPGKP 64
Db          7 LLWWNCFSRTGVAASLEVSESPGSIQVARGQTAVLPCTFTTSAALINLNVIW-MVTPLSN 65

Qy         65 ISESHPILYFTNGHLYPTGSK-SKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNP 123
Db         66 ANQPEQVILYQGGQMFDGAPRFHGRVGFTGTMPATNV-SIFINNTQLSDTGTYQCLVNNL 124

Qy        124 PDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFP 183
Db        125 PDIGGRNIGVTGLTVLVPPSAPHCQIQGSQDIGSDVILLCSSEEGIPRPTYLWEKLDN-T 183

Qy        184 TPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEP-PQ--GRVA 240
Db        184 LKLPPTATQDQVQGTVTIRNISALSSGLYQCVASNAIGTSTCLLDLQVISPQPRNIGLIA 243

Qy        241 GALIG----VLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMR 296
Db        244 GA-IGTGAVIIIFCIALILGAFF---YWRSKNKEEEEEEIPNEIREDDLPP--------K 291

Qy        297 ADSSKGFLERPSSASTVTTTKS 318
Db        292 CSSAKAFHTEISSSDNNTLTSS 313


RESULT 11
Q9D2J4
ID   Q9D2J4      PRELIMINARY;      PRT;   407 AA.
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AC   Q9D2J4;
DT   01-JUN-2001 (TrEMBLrel. 17, Created)
DT   01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Mus musculus adult male testis cDNA, RIKEN full-length enriched
DE   library, clone:4930405J24 product:similar to DJ889N15.1 (NOVEL PROTEIN
DE   SIMILAR TO X. LAEVIS CORTICAL THYMOCYTE MARKER CTX).
GN   Name=4930405J24Rik;
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RX   MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
RA   Carninci P., Hayashizaki Y.;
RT   "High-efficiency full-length cDNA cloning.";
RL   Meth. Enzymol. 303:19-44(1999).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RX   MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RA   RIKEN FANTOM Consortium;
RT   "Functional annotation of a full-length mouse cDNA collection.";
RL   Nature 409:685-690(2001).
RN   [3]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RA   The FANTOM Consortium,
RA   the RIKEN Genome Exploration Research Group Phase I & II Team;
RT   "Analysis of the mouse transcriptome based on functional annotation of
RT   60,770 full-length cDNAs.";
RL   Nature 420:563-573(2002).
RN   [4]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RX   MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
RA   Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
RA   Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
RT   "Normalization and subtraction of cap-trapper-selected cDNAs to
RT   prepare full-length cDNA libraries for rapid discovery of new genes.";
RL   Genome Res. 10:1617-1630(2000).
RN   [5]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RX   MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
RA   Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
RA   Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
RA   Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
RA   Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
RA   Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
RA   Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
RA   Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
RT   "RIKEN integrated sequence analysis (RISA) system-384-format
RT   sequencing pipeline with 384 multicapillary sequencer.";
RL   Genome Res. 10:1757-1771(2000).
RN   [6]
RP   SEQUENCE FROM N.A.
RC   STRAIN=C57BL/6J; TISSUE=Testis;
RA   Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
RA   Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
RA   Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
RA   Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
RA   Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
RA   Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
RA   Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
RA   Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
RA   Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
RA   Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
RA   Muramatsu M., Hayashizaki Y.;
RL   Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AK019565; BAB31795.1; -.
DR   HSSP; P06907; 1NEU.
DR   MGD; MGI:1926039; 4930405J24Rik.
DR   GO; GO:0016020; C:membrane; IEA.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   InterPro; IPR000920; Myelin_P0.
DR   Pfam; PF00047; ig; 1.
DR   PRINTS; PR00213; MYELINP0.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   407 AA;  44014 MW;  B7094F818B868680 CRC64;

  Query Match            23.1%;  Score 389.5;  DB 2;  Length 407;
  Best Local Similarity  29.2%;  Pred. No. 3e-19;
  Matches   97;  Conservative   62;  Mismatches  134;  Indels   39;  Gaps   11;

Qy         15 CLSGLA--VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPISESHP 70
              ||:|    |:| :|   ::  :|    | | |:|:    :  :::|||    | : |
Db         15 CLAGQVSMVQVTIPDTFVNVTVGSNVTLLCLYTTTEKSLEKLSIQWSFFH-NKEMEEPIS 73

Qy         71 ILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNG 130
              | |   |    |    |:    ||   | |:: :  : |:|:| |:| ||||| |
Db         74 IYYSEGGQASAIGQFKDRIIGATNP---GNASITILHMQPADSGIYICDVNNPPHFVGKN 130

Qy        131 LGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGS 189
              ||:::|||| || | |:  |:   |   :| | |: | | |:| |  : |    |   |
Db        131 QGLLDVTVLVKPSKPFCTIQGRPEAGHPISLSCLSAFGTPSPLYYWYNIEGNTIVPVKES 190

Qy        190 MVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGALIGVLLG 249
                :  :| |:: ||:    | |:| | | :|::|||: |: : |  | : |||:| |:|
Db        191 F--NTATGVLVIGNLTNFEQGYYQCTAINSLGNSSCEIDLTSSHPEVGIIIGALVGALIG 248

Qy        250 VLLLSVAAFCLVRF--QKERGKKPKETYGGSDL----------REDAI-APGISEHTCMR 296
                ::     |:| |   | : |: |     ::|          : :|| | |:     :
Db        249 AAVI----ICVVYFARNKVKSKQQKNLNSSTELEPMTKVHHPQQSEAISADGVQLEGTLP 304

Qy        297 ADSSKGFLERPSSASTV----------TTTK 317
              :    |    |:: : :          |||:
Db        305 SSIHAGHNTEPTTTAVLEPEYEPNPPLETTTQ 336


RESULT 12
Q6DDE7
ID   Q6DDE7      PRELIMINARY;      PRT;   432 AA.
AC   Q6DDE7;
DT   25-OCT-2004 (TrEMBLrel. 28, Created)
DT   25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
DT   25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE   LOC445876 protein (Fragment).
GN   Name=LOC445876;
OS   Xenopus laevis (African clawed frog).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
OC   Xenopodinae; Xenopus.
OX   NCBI_TaxID=8355;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Brain;
RX   MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
RA   Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
RA   Richardson P.;
RT   "Genetic and genomic tools for Xenopus research: The NIH Xenopus
RT   initiative.";
RL   Dev. Dyn. 225:384-391(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Brain;
RX   PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.P., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
```

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RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [3]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Brain;
RA   Klein S., Gerhard D.S.;
RL   Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC077626; AAH77626.1; -.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   InterPro; IPR003596; Ig_v.
DR   Pfam; PF00047; ig; 2.
DR   SMART; SM00409; IG; 2.
DR   SMART; SM00408; IGc2; 2.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
FT   NON_TER      1      1
SQ   SEQUENCE   432 AA;  47215 MW;  ACFE78F0A4ED30E6 CRC64;

  Query Match             21.3%;  Score 359;  DB 2;  Length 432;
  Best Local Similarity   31.9%;  Pred. No. 4.4e-17;
  Matches  103;  Conservative   53;  Mismatches  127;  Indels   40;  Gaps   13;

Qy          6 LCGALLGFLCLSGLAVEVKVPTEPLSTPL--GKTAELTCTYSTSVG-DSFALEWS---FV 59
              ||| : |        || |||      |  :   | :   | |:: |:   :   : |:    :
Db         44 LCGTITG-------AVSVKVIVNRPSVQVRRGGSVLLPCSFRTTAALNRLNIIWTVSPLL 96

Qy         60 QPGKPISESHPILYFTNGHLYPTGSK-SKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLC 118
              ||  |:      :: :  | :  : |: : ||    :| |   |:: :      ||||| |
Db         97 QPQLPLQ----VISYEQGQIVESVSEYTGRVQFAFHPTT--DASILINQSRSSDTGTYHC 150

Qy        119 QVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVR 178
               | ||||  |  :||: ||||| || |:||  |:   |||  ||||  || | |   | :
Db        151 TVINPPDGTTPNIGLVGLTVLVEPSRPVCSSEGREEEGGSVRLRCSIREGVPAPRILWEK 210

Qy        179 LGTFPTPSPGSMV----QDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSV--- 231
              :      |  | ::    : :: | : | |::  :|| |||  :||:|| :|   | :
Db        211 I-----PGEGPVLITSQEGDLQGSVTLNNVTPRASGFYRCTVSNQLGSQTCTFELHIQVA 265

Qy        232 TEPPQGRVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISE 291
                | : |  | :::||:||:: |  |    |: ||     |:   :|| |    |  |
Db        266 VLSTVGVIVGVAIALIMGVVLLALFAIVLHLHQQSRG-----TWQDQELR-DCKIQGRRE 319

Qy        292 HTCMRADSSKGFLERPSSASTVT 314
                |  : :|     |   | ||
Db        320 EPEM--EGAKMNTVSPGKRSEVT 340


RESULT 13
Q91664
ID   Q91664      PRELIMINARY;      PRT;   318 AA.
AC   Q91664;
DT   01-NOV-1996 (TrEMBLrel. 01, Created)
DT   01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   CTX.
OS   Xenopus laevis (African clawed frog).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
OC   Xenopodinae; Xenopus.
OX   NCBI_TaxID=8355;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=ff; TISSUE=Thymus;
RX   MEDLINE=96210130; PubMed=8625968;
RA   Chretien I., Robert J., Marcuz A., Garcia-Sanz J.A., Courtet M.,
RA   Du Pasquier L.;
RT   "CTX, a novel molecule specifically expressed on the surface of
RT   cortical thymocytes in Xenopus.";
RL   Eur. J. Immunol. 26:780-791(1996).
DR   EMBL; U43330; AAC59899.1; -.
DR   HSSP; P78310; 1KAC.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00409; IG; 2.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   318 AA;  34429 MW;  6231D24B0B806C09 CRC64;

  Query Match             21.3%;  Score 358.5;  DB 2;  Length 318;
  Best Local Similarity   33.2%;  Pred. No. 3.4e-17;
  Matches  102;  Conservative   52;  Mismatches  112;  Indels   41;  Gaps   13;

Qy          5 FLCGALLGFLCLSGLA--VEVKVPTEPLSTPLGKTAELTCTY--STSVGDSFALEWSFVQ 60
              ||     || | |: |:  |:|  :    ::   |: | | |||  :    ::  ::|:  |
Db          3 FLLFITLG-LSLTALSHCVQVTIQNPIINVTSGQNATLYCTYILNNQNKNNLVIQWNIFQ 61

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
                 |:  : :: ||      |   ||:  :|   | ||: ::::   ||| | |:|
Db         62 AKSQNQET--VFFYQNGQSLSGPSYKNRVTAAMSP---GNATITISNMQSQDTGIYTCEV 116

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL- 179
               | |:  ::| | | |||||||| | ||  |    |   :| | | || |:|:|:| |:
Db        117 LNLPE--SSGQGKILLTVLVPPSVPHCSIRGAVETGHFISLLCYSEEGMPRPIYSWNRVE 174

Qy        180 -GTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGR 238
               |   : :|  | | :  | ||: ||:    | ||| |:| :|:|:|||  |  |    |
Db        175 NGLLKS-TPSQMNQQK--GSLIIGNLTDFEEGYYRCTASNNLGNATCELNLH-TGGEGGV 230

Qy        239 VAGALIGVLL-GVLLLSVAAFCLV-RFQK--------------------ERGKKPKETY 275
              :| |:|| ||   ::::  | :| | ||                      |  : |||
Db        231 IAAAVIGGLLAAAIIIAIVWFLVVKRKQKKQLPPTKEMKTGGNQYMAVSGEANEPPKENL 290

Qy        276 GGSDLRE 282
              | |:  |
Db        291 GASEPTE 297


RESULT 14
Q9PWR4
ID   Q9PWR4      PRELIMINARY;      PRT;   335 AA.
AC   Q9PWR4;
DT   01-MAY-2000 (TrEMBLrel. 13, Created)
DT   01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   ChT1 thymocyte antigen precursor.
GN   Name=ChT1;
OS   Gallus gallus (Chicken).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
OC   Gallus.
OX   NCBI_TaxID=9031;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=H.B19; TISSUE=Thymus;
RA   Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
RA   Vainio O.;
RL   Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; Y14064; CAA74391.1; -.
DR   HSSP; P78310; 1KAC.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003596; Ig_v.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00406; IGv; 1.
```

```
DR   PROSITE; PS50835; IG_LIKE; 2.
KW   Signal.
FT   SIGNAL        1     21       Potential.
FT   CHAIN        22    335       ChT1 thymocyte antigen.
SQ   SEQUENCE   335 AA;  36509 MW;  AA6159598079B438 CRC64;

  Query Match             21.1%;  Score 355;  DB 2;  Length 335;
  Best Local Similarity   32.1%;  Pred. No. 6.4e-17;
  Matches   86;  Conservative   52;  Mismatches  116;  Indels   14;  Gaps    6;

Qy         13 FLCLSGLA-----VEVKVPTEPLSTPLGKTAELTCTYSTS--VGDSFALEWSFVQPGKPI 65
              |  |: ||     | | || : ::   |  | | |||::|  :| :| ::|||    :
Db          9 FPILATLAGHVHGVVVTVPEKTVNVKTGGNATLLCTYTSSQPLG-NFFIQWSFYSAKE-- 65

Qy         66 SESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPD 125
              |: | | |:: |  |  |    |::   :|   | |:: :::: |||||:| |:| :| |
Db         66 SQLHTIYYYSEGQSYSYGEFKDRITAATSP---GNASITISNMQPSDTGSYTCEVFSPQD 122

Qy        126 FYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTP 185
                : : ||| || | |   |    |  |   :| | | | | ::    |
Db        123 DAGQSQKSVIVNVLVKPSKPFCKIEGTPEKGHLIYLLCKCDQGLPHPTYRWYKVDE-NTL 181

Qy        186 SPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGALIG 245
              :| :   :  :| | : ||:   :| |||:|:| ||:::||| |:       |||||||
Db        182 TPVTEYFNPDTGILYIGNLTTFETGHYRCIASNIMGNSTCELDLTSMHSDGNIVAGALIG 241

Qy        246 VLLGVLLLSVAAFCLVRFQKERGKKPKE 273
               :|  :::    : | :  |::     |
Db        242 AILAAVIICAIVWVLTKKAKKKKSSSNE 269


RESULT 15
Q9YGH1
ID   Q9YGH1      PRELIMINARY;      PRT;   335 AA.
AC   Q9YGH1;
DT   01-MAY-1999 (TrEMBLrel. 10, Created)
DT   01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   ChT1 thymocyte antigen precursor.
GN   Name=ChT1;
OS   Gallus gallus (Chicken).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
OC   Gallus.
OX   NCBI_TaxID=9031;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=RPRL line 0; TISSUE=Thymus;
RA   Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
RA   Vainio O.;
RL   Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; Y14063; CAA74390.1; -.
DR   HSSP; P78310; 1KAC.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003596; Ig_v.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
KW   Signal.
FT   SIGNAL        1     21       Potential.
FT   CHAIN        22    335       ChT1 thymocyte antigen.
SQ   SEQUENCE   335 AA;  36553 MW;  AA640C5CD02CB16D CRC64;

  Query Match             20.9%;  Score 352;  DB 2;  Length 335;
  Best Local Similarity   32.1%;  Pred. No. 1e-16;
  Matches   86;  Conservative   52;  Mismatches  116;  Indels   14;  Gaps    6;

Qy         13 FLCLSGLA-----VEVKVPTEPLSTPLGKTAELTCTYSTS--VGDSFALEWSFVQPGKPI 65
              |  |: ||     | | || : ::   |  | | |||::|  :| :| ::|||    :
Db          9 FPILATLAGHVHGVVVTVPEKTVNVKTGGNATLLCTYTSSQPLG-NFFIQWSFYSAKE-- 65

Qy         66 SESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPD 125
              |: | | |:: |  |  |    |::   :|   | |:: :::: |||||:| |:| :| |
Db         66 SQLHTIYYYSEGQSYSYGEFKDRITAATSP---GNASITISNMQPSDTGSYTCEVFSPQD 122

Qy        126 FYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTP 185
                : : ||| || | |   |    |  |   :| | | | | ::    |
Db        123 DAGQSQKSVIVNVLVKPSKPFCKIEGTPEKGHLIYLLCKCDQGLPHPTYRWYKVDE-NTL 181

Qy        186 SPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGALIG 245
              :| :   :  :| | : ||:   :| |||:|:| ||:::||| |:       |||||||
Db        182 TPVTEYFNPDTGILYIGNLTTFETGHYRCIASNIMGNSTCELDLTSMHSDGNIVAGALIG 241

Qy        246 VLLGVLLLSVAAFCLVRFQKERGKKPKE 273
               :|  :::    : | :  |::     |
Db        242 AILADVIICAIVWVLTKKAKKKKSSSNE 269


Search completed: August  4, 2005, 06:13:28
Job time : 90.5513 secs
```

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: August 4, 2005, 05:53:15 ; Search time 99.7302 Seconds
(without alignments)
1268.128 Million cell updates/sec

Title: US-10-607-565-60
Perfect score: 1699
Sequence: 1 MAELPGPPFLCGALLGFLCLS.....ERPSSASTVTTTKSKLPMVV 327

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_16Dec04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1692	99.6	327	3	AAB08903	Aab08903 Human sec
2	1691	99.5	327	3	AAY87251	Aay87251 Human sig
3	1691	99.5	327	3	AAY94857	Aay94857 Human pro
4	1691	99.5	327	4	AAY97585	Aay97585 Human sec
5	1691	99.5	327	5	ABB90354	Abb90354 Human pol
6	1691	99.5	327	5	AAU83709	Aau83709 Human PRO
7	1691	99.5	327	6	ABU80856	Abu80856 Human PRO
8	1691	99.5	327	6	ABO33822	Abo33822 Novel hum
9	1691	99.5	327	6	ABU82165	Abu82165 Novel hum
10	1691	99.5	327	6	ABJ72345	Abj72345 Human PRO
11	1691	99.5	327	6	ABJ72473	Abj72473 Human PRO
12	1691	99.5	327	6	ABO34368	Abo34368 Human sec
13	1691	99.5	327	7	ABJ72175	Abj72175 Human mem
14	1691	99.5	327	7	ADB83726	Adb83726 Novel hum
15	1691	99.5	327	7	ADB80832	Adb80832 Novel hum
16	1691	99.5	327	7	ADB73373	Adb73373 Novel hum
17	1691	99.5	327	7	ADB78455	Adb78455 Novel hum
18	1691	99.5	327	7	ADB85103	Adb85103 Human PRO
19	1691	99.5	327	7	ADB78209	Adb78209 Novel hum
20	1691	99.5	327	7	ADB87275	Adb87275 Human PRO
21	1691	99.5	327	7	ADB84857	Adb84857 Human PRO
22	1691	99.5	327	7	ADB83972	Adb83972 Novel hum
23	1691	99.5	327	7	ADB73127	Adb73127 Novel hum
24	1691	99.5	327	7	ADC36965	Adc36965 Human PRO
25	1691	99.5	327	7	ADC21955	Adc21955 Human PRO
26	1691	99.5	327	7	ADC49986	Adc49986 Novel hum
27	1691	99.5	327	7	ADC49185	Adc49185 Novel hum
28	1691	99.5	327	7	ADC49702	Adc49702 Novel hum
29	1691	99.5	327	7	ADC47563	Adc47563 Novel hum
30	1691	99.5	327	7	ADC47308	Adc47308 Novel hum
31	1691	99.5	327	7	ADC78183	Adc78183 Novel hum
32	1691	99.5	327	7	ADD06418	Add06418 Novel hum
33	1691	99.5	327	7	ADC77937	Adc77937 Novel hum
34	1691	99.5	327	7	ADD50900	Add50900 Novel hum
35	1691	99.5	327	7	ADD51146	Add51146 Novel hum
36	1691	99.5	327	7	ADD50627	Add50627 Human PRO
37	1691	99.5	327	7	ADD50381	Add50381 Human PRO
38	1691	99.5	327	7	ADD51392	Add51392 Novel hum
39	1691	99.5	327	8	ADC48939	Adc48939 Novel hum
40	1691	99.5	327	8	ADE21110	Ade21110 Novel hum
41	1691	99.5	327	8	ADE05954	Ade05954 Human PRO
42	1691	99.5	327	8	ADD75183	Add75183 Human PRO
43	1691	99.5	327	8	ADD75929	Add75929 Novel hum
44	1691	99.5	327	8	ADD85161	Add85161 Novel hum
45	1691	99.5	327	8	ADD86987	Add86987 Novel hum

ALIGNMENTS

RESULT 1
AAB08903
ID AAB08903 standard; protein; 327 AA.
XX
AC AAB08903;
XX
DT 30-AUG-2000 (first entry)
XX
DE Human secreted protein sequence encoded by gene 13 SEQ ID NO:60.
XX
KW Human; secreted protein; cytostatic; anti-proliferative; vulnerary;
KW immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis;
KW hyperproliferative disorder; infectious disease; tissue regeneration;
KW screening; food additive; preservative; wound healing;
KW hyper-vascular disease; chromsome 11.
XX
OS Homo sapiens.
XX
PN WO200017222-A1.
XX
PD 30-MAR-2000.
XX
PF 22-SEP-1999; 99WO-US022012.
XX
PR 23-SEP-1998; 98US-0101546P.
PR 02-OCT-1998; 98US-0102895P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Ruben SM, Rosen CA, Duan RD, Shi Y, Lafleur DW, Young PE, Ni J;
PI Komatsoulis G, Endress GA, Soppet DR;
XX
DR WPI; 2000-283538/24.
DR N-PSDB; AAA39064.
XX
PT Human secreted proteins and coding sequences useful in diagnostic and
PT therapeutic methods for disorders such as immune system or proliferative
PT disorders, related to the proteins.
XX
PS Claim 11; Page 359-360; 416pp; English.
XX
CC The polynucleotide sequences given in AAA39052 to AAA39088 encode the
CC human secreted proteins given in AAB08891 to AAB08984. The human secreted
CC proteins can have activities based on the tissues and cells they are
CC expressed in. Examples of the activities are: cytostatic; anti-
CC proliferative; immunosuppressive; antibacterial; and vulnerary. The
CC secreted proteins and their related polynucleotide sequences are useful
CC for diagnostic and therapeutic methods useful for diagnosing and treating

CC disorders related to the secreted proteins. The proteins, and
CC polynucleotide sequences may be useful for treating disorders of the
CC immune system, hyperproliferative disorders, infectious disease,
CC regeneration of tissues, for chemotaxis and for screening molecules that
CC bind to the proteins. The proteins or polynucleotide sequences may be
CC used as food additives or preservatives, to increase or decrease storage
CC capabilities, fat content, lipid, protein, carbohydrate, vitamins,
CC minerals, co-factors or other nutritional components. Agonists or
CC antagonists of the proteins may be used to prevent scar tissue growth
CC during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051
CC and AAB08890 are sequences used in the exemplification of the present
CC invention
XX
SQ Sequence 327 AA;

Query Match 99.6%; Score 1692; DB 3; Length 327;
Best Local Similarity 99.7%; Pred. No. 7.4e-114;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              |||||||||||||||| ||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFYNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              |||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 2
AAY87251
ID AAY87251 standard; protein; 327 AA.
XX
AC AAY87251;
XX
DT 11-MAY-2000 (first entry)
XX
DE Human signal peptide containing protein HSPP-28 SEQ ID NO:28.
XX
KW Human; signal peptide-containing protein; HSPP; diagnosis; cancer;
KW inflammation; cardiovascular disease; anticancer; anti-inflammatory;
KW antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic;
KW antiasthmatic; gene therapy; cell proliferation; neurological disorder;
KW reproductive disorder; developmental disorder; arteriosclerosis;
KW cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;
KW asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;
KW Parkinson's disease; Huntington's diseases; ovulatory defect;
KW muscular dystrophy.
XX
OS Homo sapiens.
XX
PN WO200000610-A2.
XX
PD 06-JAN-2000.
XX
PF 25-JUN-1999; 99WO-US014484.
XX
PR 26-JUN-1998; 98US-0090762P.
PR 31-JUL-1998; 98US-0094983P.
PR 01-OCT-1998; 98US-0102686P.
PR 11-DEC-1998; 98US-0112129P.
XX
PA (INCY-) INCYTE PHARM INC.
XX
PI Lal P, Tang YT, Gorgone GA, Corley NC, Guegler KJ, Baughn MR;
PI Akerblom IE, Au-Young J, Yue H, Patterson C, Reddy R, Hillman JL;
PI Bandman O;
XX
DR WPI; 2000-160673/14.
DR N-PSDB; AAZ98136.
XX
PT New human signal peptide-containing proteins useful in treatment,
PT prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
PT disease.
XX
PS Claim 1; Page 177-178; 327pp; English.
XX
CC AAZ98109 to AAZ98242 encode AAY87224 to AAY87357 which represent the
CC human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have
CC anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic,
CC neuroprotective, cardiovascular and antiasthmatic activities, and can be
CC used in gene therapy. HSPPs can be used to treat or prevent disorders
CC associated with decreased activity or function of HSPP. Antagonists of
CC HSPP are used to treat or prevent disorders associated with increased
CC activity or function of HSPP. Such diseases include cell proliferation
CC (including cancer), inflammation, cardiovascular, neurological,
CC reproductive or developmental disorders, (e.g. arteriosclerosis,
CC cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia,
CC asthma, Crohn's disease, microbial or other infections, congestive or
CC ischaemic heart disease, Alzheimer's, Parkinson's or Huntington's
CC diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP
CC nucleic acids can be used for the recombinant production of HSPP, for
CC detecting HSPP in standard hybridisation and amplification assays (for
CC diagnosis and monitoring), in gene therapy, as antisense, triplex-forming
CC or ribozyme therapeutics, for detecting related sequences or genetic
CC variations, and for chromosomal mapping. HSPP are also used to raise
CC specific antibodies (Ab) and to screen for agonists and antagonists
CC (potential therapeutic agents). Ab are used to diagnose, or monitor, HSPP
CC -related diseases (in usual immunoassays), as therapeutic antagonists, in
CC competitive drug screens, and for purification of HSPP from natural
CC sources
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1691; DB 3; Length 327;
Best Local Similarity 99.7%; Pred. No. 8.8e-114;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              |||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 3
AAY94857
ID AAY94857 standard; protein; 327 AA.
XX
AC AAY94857;
XX
DT 12-JUN-2000 (first entry)
XX
DE Human protein clone HP10568.
XX
KW Human protein; hydrophobic domain; nutritional source; haematopoiesis;
KW cytokine production; cell proliferation; cell differentiation;
KW immune deficiency; infectious disease; autoimmune disorder; asthma;
KW multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis;
KW allergic reaction; osteoporosis; osteoarthritis; periodontal disease;
KW nervous system disorder; Alzheimer's disease; Parkinson's disease;
KW Huntington's disease; liver fibrosis; lung fibrosis; reperfusion injury;
KW systemic cytokine damage; tissue differentiation; contraceptive; stroke;
KW coagulation disorder; myocardial infarction; inflammatory condition;
KW septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour;
KW nephritis; therapy.
XX
OS Homo sapiens.
XX
PN WO200005367-A2.
XX
PD 03-FEB-2000.
XX
PF 22-JUL-1999; 99WO-JP003929.
XX
PR 24-JUL-1998; 98JP-00208820.
PR 07-AUG-1998; 98JP-00224105.
PR 25-AUG-1998; 98JP-00238116.
PR 09-SEP-1998; 98JP-00254736.
PR 29-SEP-1998; 98JP-00275505.
XX
PA (SAGA) SAGAMI CHEM RES CENT.
PA (PROT-) PROTEGENE INC.
XX
PI Kato S, Kimura T;
XX
DR WPI; 2000-182694/16.
XX
PT Novel human proteins having hydrophobic domains useful for treating
PT osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple
PT sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.
XX
PS Claim 1; Page 183-184; 351pp; English.
XX
CC This sequence represents a human protein of the invention, which has
CC hydrophobic domains. The DNA sequences can be used as a probe or as a
CC genetic marker. The protein can also be used as a marker, and to identify
CC potential genetic disorders. The DNA and protein can also be used as
CC nutritional sources or supplements. The protein exhibits cytokine, cell
CC proliferation, cell differentiation activities and induces production of
CC other cytokines in certain cell populations. The protein also exhibits
CC immune stimulating or immune suppressing activity. It can be used in the
CC treatment of various immune deficiencies and disorders, and to treat
CC infectious diseases caused by viral, bacterial, fungal or other
CC infections. The protein is also used for treating autoimmune disorders
CC such as multiple sclerosis, systemic lupus erythematosus, and rheumatoid
CC arthritis. It is also useful in the treatment of allergic reactions and
CC conditions such as asthma, and in immune suppression after organ
CC transplantation. The protein is useful in regulation of haematopoiesis
CC and consequently in the treatment of myeloid or lymphoid cell
CC deficiencies. It is also used in compositions for tissue growth or
CC regeneration. The protein is also used in the treatment of osteoporosis
CC or osteoarthritis and in the treatment of periodontal disease and other
CC tooth repair processes. The protein is used in the treatment of nervous
CC system disorders such as Alzheimer's disease, Parkinson's disease, and
CC Huntington's disease. They are useful for protection or regeneration and
CC treatment of lung or liver fibrosis, reperfusion injury in various
CC tissues, and conditions resulting from systemic cytokine damage. They are
CC also used for promoting or inhibiting tissue differentiation. They are
CC also used as contraceptives since they exhibit activin or inhibin related
CC activities and as a fertility inducing therapeutic. They are used for
CC treating various coagulation disorders and in treatment and prevention of
CC conditions resulting from coagulation activities e.g. myocardial
CC infarction or stroke. They also acts as receptors, receptor ligands or
CC inhibitors or agonists of receptor/ligand interactions. They are used to
CC treat inflammatory conditions such as septic shock, sepsis, ischaemia
CC reperfusion injury, arthritis, and nephritis. They can be used to prevent
CC tumours
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1691; DB 3; Length 327;
Best Local Similarity 99.7%; Pred. No. 8.8e-114;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              |||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 4
AAY97585
ID AAY97585 standard; protein; 327 AA.
XX
AC AAY97585;
XX
DT 05-APR-2001 (first entry)
XX
DE Human secreted protein PRO7154.
XX
KW Secreted protein; human; PRO protein; neoplastic cell growth; tumour;
KW proliferation; leukaemia; lymphoid malignancy; inflammatory disorder;
KW angiogenic disorder; immunologic disorder; PRO7154.
XX
OS Homo sapiens.
XX
PN WO200075317-A2.
XX
PD 14-DEC-2000.
XX
PF 15-MAY-2000; 2000WO-US013358.
XX
PR 09-JUN-1999; 99US-0138385P.
PR 20-JUL-1999; 99US-0144790P.
PR 03-AUG-1999; 99US-0146843P.
PR 10-AUG-1999; 99US-0148188P.
PR 17-AUG-1999; 99US-0149320P.
PR 17-AUG-1999; 99US-0149327P.
PR 17-AUG-1999; 99US-0149396P.

PR 20-AUG-1999; 99US-0150114P.
PR 31-AUG-1999; 99US-0151700P.
PR 31-AUG-1999; 99US-0151734P.
XX
PA (GETH) GENENTECH INC.
XX
PI Botstein DA, Goddard A, Gurney AL, Smith V, Watanabe CK, Wood WI;
XX
DR WPI; 2001-071075/08.
DR N-PSDB; AAA91019.
XX
PT Antibodies against PRO polypeptides, useful for diagnosing and treating
PT tumors are associated with gene amplification, neoplastic cell growth and
PT proliferation in mammals.
XX
PS Claim 61; Fig 12; 143pp; English.
XX
CC This sequence is a human PRO protein of the invention. The PRO proteins
CC are secreted proteins. Antagonists or antibodies of PRO polypeptides are
CC useful for diagnosing and treating tumours are associated with gene
CC amplification, neoplastic cell growth and proliferation in mammals, and
CC those conditions characterised by overexpression and/or activation of the
CC amplified genes. Such conditions include benign or malignant tumours
CC (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian,
CC colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic
CC carcinomas, sarcomas, glioblastomas and various head and neck tumours);
CC leukaemias and lymphoid malignancies; neuronal, glial, astrocytal,
CC hypothalamic, and other glandular, macrophageal, epithelial, stromal and
CC blastocoelic disorders; and inflammatory, angiogenic and immunologic
CC disorders. These may further be used to qualitatively or quantitatively
CC detect the expression of proteins encoded by the amplified genes, and in
CC tumour diagnostics or prognostics. The PRO polypeptide or its antagonist
CC may be used for the preparation of a medicament in the treatment of a
CC condition, which is responsive to the PRO polypeptide, its antagonist or
CC anti-PRO antibody
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1691; DB 4; Length 327;
Best Local Similarity 99.7%; Pred. No. 8.8e-114;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 5
ABB90354
ID ABB90354 standard; protein; 327 AA.
XX
AC ABB90354;
XX
DT 24-MAY-2002 (first entry)
XX
DE Human polypeptide SEQ ID NO 2730.
XX
KW Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral;
KW antiallergic; hepatotropic; antidiabetic; antiinflammatory; antiulcer;
KW vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic;
KW cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder;
KW neurological disease; infection; human; secreted protein.
XX
OS Homo sapiens.
XX
PN WO200190304-A2.
XX
PD 29-NOV-2001.
XX
PF 18-MAY-2001; 2001WO-US016450.
XX
PR 19-MAY-2000; 2000US-0205515P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Birse CE, Rosen CA;
XX
DR WPI; 2002-122018/16.
DR N-PSDB; ABL90763.
XX
PT Novel 1405 isolated polypeptides, useful for diagnosis, treatment and
PT prevention of neural, immune system, muscular, reproductive,
PT gastrointestinal, pulmonary, cardiovascular, renal and proliferative
PT disorders.
XX
PS Claim 11; SEQ ID NO 2730; 2081pp + Sequence Listing; English.
XX
CC The invention relates to novel genes (ABL89449-ABL90853) and proteins
CC (ABB89040-ABB90444) useful for preventing, treating or ameliorating
CC medical conditions e.g. by protein or gene therapy. The genes are
CC isolated from a range of human tissues disclosed in the specification.
CC The nucleic acids, proteins, antibodies and (ant)agonists are useful in
CC the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and
CC ovarian cancer and other cancers of the adrenal gland, bone, bone marrow,
CC breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune
CC disorders e.g. Addison's disease, allergies, autoimmune haemolytic
CC anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease,
CC multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c)
CC cardiovascular disorders such as myocardial ischaemias; (d) wound healing
CC ; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f)
CC infectious diseases such as viral, bacterial, fungal and parasitic
CC infections. Note: The sequence data for this patent did not form part of
CC the printed specification, but was obtained in electronic format directly
CC from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1691; DB 5; Length 327;
Best Local Similarity 99.7%; Pred. No. 8.8e-114;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
```

```
Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 6
AAU83709
ID AAU83709 standard; protein; 327 AA.
XX
AC AAU83709;
XX
DT 08-MAY-2002 (first entry)
XX
DE Human PRO protein, Seq ID No 236.
XX
KW Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW breast cancer; prostate tumour; rectal tumour; liver tumour;
KW pericyte cell proliferation; chondrocyte cell proliferation;
KW tumour necrosis factor-alpha.
XX
OS Homo sapiens.
XX
PN WO200208288-A2.
XX
PD 31-JAN-2002.
XX
PF 29-JUN-2001; 2001WO-US021066.
XX
PR 20-JUL-2000; 2000US-0219556P.
PR 25-JUL-2000; 2000US-0220585P.
PR 25-JUL-2000; 2000US-0220605P.
PR 25-JUL-2000; 2000US-0220607P.
PR 25-JUL-2000; 2000US-0220624P.
PR 25-JUL-2000; 2000US-0220638P.
PR 25-JUL-2000; 2000US-0220664P.
PR 25-JUL-2000; 2000US-0220666P.
PR 26-JUL-2000; 2000US-0220893P.
PR 28-JUL-2000; 2000WO-US020710.
PR 01-AUG-2000; 2000US-0222425P.
PR 22-AUG-2000; 2000US-0227133P.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 10-NOV-2000; 2000WO-US030873.
PR 28-NOV-2000; 2000US-0253646P.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001WO-US017092.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2002-172001/22.
DR N-PSDB; ABK33653.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for treating a PRO related disorder and for diagnosing tumors such
PT as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
PT or liver tumor.
XX
PS Claim 11; Fig 236; 359pp; English.
XX
CC The invention relates to one hundred and twenty two nucleic acids
CC encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
CC encode human secreted proteins. The PRO nucleic acids, polypeptides,
CC agonists and antagonists are useful for treating a PRO related disorder.
CC The PRO polypeptides are useful for diagnosing tumours, especially lung
CC cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
CC liver tumour. The PRO polypeptides are useful for stimulating the
CC proliferation of, or gene expression, in pericyte cells, for stimulating
CC the proliferation or differentiation of chondrocyte cells, for
CC stimulating the release of tumour necrosis factor-alpha from human blood,
CC for stimulating or inhibiting the proliferation of normal human dermal
CC fibroblast cells. The PRO polypeptide may also be used as molecular
CC weight markers and for tissue typing. The PRO nucleic acids have
CC applications in molecular biology, including use as hybridisation probes,
CC and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO
CC protein sequences of the invention
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1691; DB 5; Length 327;
Best Local Similarity 99.7%; Pred. No. 8.8e-114;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 7
ABU80856
ID ABU80856 standard; protein; 327 AA.
XX
AC ABU80856;
XX
DT 23-JUN-2003 (first entry)
XX
DE Human PRO polypeptide #118.
XX
KW Human; PRO polypeptide; secreted and transmembrane protein;
KW anti-PRO antibody; diagnostic assay; gene expression; tumour; cytostatic.
XX
OS Homo sapiens.
XX
PN US2003036635-A1.
XX
PD 20-FEB-2003.
XX
PF 28-AUG-2002; 2002US-00230163.
XX
PR 25-JUL-2000; 2000US-0220638P.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.

```
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-342045/32.
DR   N-PSDB; ACA66958.
XX
PT   One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT   useful for the manufacture of a medicament for diagnosing or treating
PT   tumor.
XX
PS   Claim 11; Fig 236; 314pp; English.
XX
CC   The present invention relates to the isolation of novel human PRO
CC   polypeptides, and the polynucleotide sequences encoding them. The PRO
CC   polypeptides are secreted and transmembrane proteins. The PRO
CC   polypeptides and polynucleotides are useful for preparing a medicament
CC   useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are
CC   useful in diagnostic assays for PRO, by detecting its expression in
CC   specific cells, tissues or serum, and for affinity purification of PRO
CC   from recombinant cell culture or natural sources. ABU80739-ABU80860
CC   represent the human PRO polypeptides of the invention. Note: The sequence
CC   data for this patent was obtained in electronic format directly from the
CC   USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1691;  DB 6;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 8.8e-114;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              |||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 8
ABO33822
ID   ABO33822 standard; protein; 327 AA.
XX
AC   ABO33822;
XX
DT   17-SEP-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   Human; secreted and transmembrane protein; PRO; cytostatic;
KW   antiarthritic; osteopathic; gene therapy; TNF-Agonist-Alpha;
KW   chondrocyte stimulator; pericyte stimulator; fibroblast modulator;
KW   pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour;
KW   colon tumour; breast tumour; prostate tumour; rectal tumour;
KW   liver tumour; bone disorder; cartilage disorder; sports injury;
KW   arthritis; wound.
XX
OS   Homo sapiens.
XX
PN   US2003045687-A1.
XX
PD   06-MAR-2003.
XX
PF   12-AUG-2002; 2002US-00218631.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-512315/48.
DR   N-PSDB; ACD68710.
XX
PT   New genes, and its encoded secreted and transmembrane polypeptides,
PT   useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or
PT   pericyte proliferation, especially for treating lung tumors, arthritis or
PT   wounds in a mammal.
XX
PS   Claim 11; Fig 236; 314pp; English.
XX
CC   The invention describes an isolated nucleic acid molecule comprising a
CC   sequence with at least 80% identity to: (a) a nucleotide encoding any of
CC   122 PRO (secreted and transmembrane) polypeptides whose sequences are
CC   fully defined in the specification; or (b) any of 122 nucleotide
CC   sequences having e.g. 4834, 2504 or 1759 bp fully defined in the
CC   specification; or the full length coding sequence of any these 122
CC   nucleotide sequences. The PRO polypeptides or polynucleotides are useful
CC   as pharmaceuticals, diagnostics, biosensors or bioreactors. These are
CC   particularly useful for detecting tumours (e.g. lung tumour, colon
CC   tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)
CC   in a mammal, for stimulating the release of TNF-alpha from human blood,
CC   for stimulating the proliferation or differentiation of chondrocyte
CC   cells, for stimulating proliferation of pericyte cells, or for modulating
CC   normal human dermal fibroblast proliferation. The PRO nucleic acid or
CC   polypeptide is also useful for treating tumours or various bone and/or
CC   cartilage disorders (e.g. sports injuries or arthritis), or wounds. The
CC   PRO polypeptides are useful in drug screening, particularly as targets
CC   for therapeutic intervention in these diseases, and in the diagnostic
CC   determination of the presence of these diseases. The PRO polypeptides are
CC   also useful as molecular weight markers, or for chromosome
CC   identification. The PRO genes are useful as hybridisation probes, or for
CC   screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
CC   also be used in gene therapy, particularly for replacing a defective
CC   gene. This is the amino acid sequence of a novel human secreted and
CC   transmembrane PRO polypeptide
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1691;  DB 6;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 8.8e-114;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
```

```
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 9
ABU82165
ID   ABU82165 standard; protein; 327 AA.
XX
AC   ABU82165;
XX
DT   25-JUN-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   Human; secreted and transmembrane protein; PRO; cardiant; cytostatic;
KW   antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic;
KW   gene therapy; cardiovascular disorder; endothelial disorder;
KW   angiogenic disorder; cardiac hypertrophy; trauma; cancer;
KW   age-related macular degeneration; atherosclerosis; hypertension;
KW   arterial restenosis; rheumatoid arthritis; angina; myocardial infarction;
KW   thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma;
KW   liver carcinoma; wound healing; chromosome mapping; gene mapping.
XX
OS   Homo sapiens.
XX
PN   US2003088063-A1.
XX
PD   08-MAY-2003.
XX
PF   12-AUG-2002; 2002US-00219003.
XX
PR   25-JUL-2000; 2000US-0220664P.
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI   Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR   WPI; 2003-393229/37.
DR   N-PSDB; ACA68614.
XX
PT   One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT   useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT   infarction), endothelial or angiogenic disorders in a mammal.
XX
PS   Claim 11; Fig 236; 314pp; English.
XX
CC   The invention describes one hundred and eighty seven nucleic acids
CC   encoding novel human secreted and transmembrane (PRO) polypeptides. The
CC   PRO nucleic acids, polypeptides, agonists and antagonists are useful for
CC   treating or diagnosing a cardiovascular, endothelial or angiogenic
CC   disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-
CC   related macular degeneration, atherosclerosis, hypertension, arterial
CC   restenosis, rheumatoid arthritis, angina, myocardial infarctions,
CC   thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast
CC   carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids
CC   have applications in molecular biology, including use as hybridisation
CC   probes, and in chromosome and gene mapping. This is the amino acid
CC   sequence of a novel human secreted and transmembrane PRO polypeptide
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1691;  DB 6;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 8.8e-114;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 10
ABJ72345
ID   ABJ72345 standard; protein; 327 AA.
XX
AC   ABJ72345;
XX
DT   06-NOV-2003  (first entry)
XX
DE   Human PRO7154 protein.
XX
KW   PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte;
KW   differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
XX
OS   Homo sapiens.
XX
PN   US2003050448-A1.
XX
PD   13-MAR-2003.
XX
PF   28-AUG-2002; 2002US-00230414.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI   Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR   WPI; 2003-521818/49.
DR   N-PSDB; ABT44343.
XX
PT   New nucleic acid encoding for a PRO protein, useful for the manufacture
PT   of a medicament for diagnosing or treating tumors or for measuring or
PT   detecting expression of an associated gene.
XX
PS   Claim 11; Fig 236; 315pp; English.
XX
CC   The invention relates to a novel isolated nucleic acid encoding a fully
CC   defined PRO polypeptide. The molecules of the invention may be useful for
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```
CC   stimulating proliferation or gene expression in pericyte cells or the
CC   release of TNF-alpha from human blood. Other possible uses include the
CC   stimulation or inhibition of chondrocyte proliferation or
CC   differentiation, the stimulation of human dermal fibroblast cell
CC   proliferation and the detection of the presence of a tumour within a
CC   mammal. Furthermore, the nucleic acid may be useful for the manufacture
CC   of a medicament for diagnosing or treating a tumour within a mammal or
CC   for measuring or detecting the expression of an associated gene, as well
CC   as during gene therapy. The current sequence is that of the human PRO
CC   protein of the invention
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1691;  DB 6;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 8.8e-114;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 11
ABJ72473
ID   ABJ72473 standard; protein; 327 AA.
XX
AC   ABJ72473;
XX
DT   06-NOV-2003  (first entry)
XX
DE   Human PRO7154 protein.
XX
KW   PRO; blood; proliferation; pericyte cell; TNF alpha; chondrocyte;
KW   tumour necrosis factor; proliferation; differentiation; gene therapy;
KW   dermal fibroblast.
XX
OS   Homo sapiens.
XX
PN   US2003027988-A1.
XX
PD   06-FEB-2003.
XX
PF   26-AUG-2002; 2002US-00227884.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-503301/47.
DR   N-PSDB; ABT44626.
XX
PT   New PRO protein encoding nucleic acid, useful for preparing PRO
PT   polypeptides and anti-PRO antibodies for detecting the presence of a
PT   tumor in a mammal.
XX
PS   Claim 11; Fig 236; 324pp; English.
XX
CC   The invention relates to a novel isolated PRO protein encoding nucleic
CC   acid. The nucleic acid of the invention may be useful for preparing PRO
CC   polypeptides and anti-PRO antibodies for detecting the presence of a
CC   tumour in a mammal. Furthermore, the molecules of the invention may be
CC   useful for stimulating proliferation or gene expression in pericyte
CC   cells, the release of tumour necrosis factor (TNF)-alpha from human
CC   blood, the proliferation or differentiation of chondrocyte cells and for
CC   inhibiting the proliferation of normal human dermal fibroblast cells.
CC   Finally, the molecules may be utilised during gene therapy. The current
CC   sequence is that of the human PRO protein of the invention
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1691;  DB 6;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 8.8e-114;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 12
ABO34368
ID   ABO34368 standard; protein; 327 AA.
XX
AC   ABO34368;
XX
DT   19-SEP-2003  (first entry)
XX
DE   Human secreted/transmembrane polypeptide PRO 7154.
XX
KW   Human; chondrocyte stimulation; TNF-alpha stimulation; gene therapy;
KW   human dermal fibroblast stimulation; tumour; tissue typing;
KW   affinity purification.
XX
OS   Homo sapiens.
XX
PN   US2003044934-A1.
XX
PD   06-MAR-2003.
XX
PF   28-AUG-2002; 2002US-00230338.
XX
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PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-492274/46.
DR N-PSDB; ACD82293.
XX
PT New transmembrane polypeptides and nucleic acids encoding the
PT polypeptides, useful in gene therapy, in chromosome identification, as
PT chromosome markers, or in generating probes.
XX
PS Claim 19; Fig 236; 315pp; English.
XX
CC The invention relates to an isolated nucleic acid encoding a PRO
CC polypeptide. Nucleic acids that encode PRO can be used to generate either
CC transgenic animals or knock-out animals useful in developing and
CC screening of therapeutically useful reagents. The nucleic acids may also
CC be used in gene therapy for replacing defective gene, in chromosome
CC identification, as chromosome markers, or in generating probes to isolate
CC full length PRO cDNA. The PRO polypeptides are useful for chondrocyte
CC stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation
CC and for detecting the presence of tumour in an mammal. The PRO
CC polypeptides are useful as molecular markers for protein electrophoresis
CC and the isolated nucleic acids may be used for recombinantly expressing
CC those markers. The PRO polypeptides and nucleic acids may also be used in
CC tissue typing. Anti-PRO antibodies are useful in diagnostic assays for
CC PRO and in affinity purification of PRO from recombinant cell culture or
CC natural sources. The present sequence represents the amino acid sequence
CC of a human secreted/transmembrane PRO polypeptide
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1691; DB 6; Length 327;
Best Local Similarity 99.7%; Pred. No. 8.8e-114;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 13
ABJ72175
ID ABJ72175 standard; protein; 327 AA.
XX
AC ABJ72175;
XX
DT 16-OCT-2003 (first entry)
XX
DE Human membrane bound receptor/protein PRO7154 amino acid sequence.
XX
KW Human; PRO; membrane bound protein; membrane bound receptor;
KW cell proliferation; cell migration; cell differentiation;
KW mitogenic factor; survival factor; cytotoxic factor;
KW differentiation factor; neuropeptide; hormone; cell receptor;
KW receptor-ligand interaction; cytostatic; chondrocyte; tumour.
XX
OS Homo sapiens.
XX
PN US2003065147-A1.
XX
PD 03-APR-2003.
XX
PF 29-AUG-2002; 2002US-00232224.
XX
PR 28-JUL-1999; 99US-0146222P.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-522018/49.
DR N-PSDB; ABT43999.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for the manufacture of a medicament for diagnosing or treating
PT tumor.
XX
PS Claim 11; Fig 236; 315pp; English.
XX
CC This invention relates to one hundred and twenty two novel nucleic acids
CC encoding human PRO membrane bound proteins or receptors. Extracellular
CC proteins play important roles in the formation, differentiation and
CC maintenance of multicellular organisms. The fate of many individual cells
CC (for example proliferation, migration or differentiation) is typically
CC governed by information received from other cells and the immediate
CC environment. The information is often transmitted by secreted
CC polypeptides (for example mitogenic factors, survival factors, cytotoxic
CC factors, differentiation factors, neuropeptides and hormones) which are
CC received and interpreted by diverse cell receptors or membrane bound
CC proteins. These membrane bound proteins and receptors may be of use as
CC pharmaceutical and diagnostic agents, such as in the blocking of receptor
CC -ligand interactions. The current invention provides the amino acid
CC sequences of novel human membrane bound receptors and proteins, along
CC with the cDNA sequences encoding them. The novel proteins of the
CC invention may have cytostatic activities through the stimulation of
CC chondrocytes. The nucleic acids of the invention may be useful for the
CC manufacture of a medicament for diagnosing or treating a tumour in a
CC mammal. In addition, they may be useful for measuring or detecting the
CC expression of a tumour associated gene. The present sequence is the amino
CC acid sequence of a human PRO protein of the invention
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1691; DB 7; Length 327;
Best Local Similarity 99.7%; Pred. No. 8.8e-114;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
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Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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```
Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              |||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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RESULT 14
ADB83726
ID   ADB83726 standard; protein; 327 AA.
XX
AC   ADB83726;
XX
DT   04-DEC-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   human; secreted and transmembrane protein; PRO; cytostatic; vulnerary;
KW   antiarthritic; pericyte cell proliferation;
KW   pericyte cell differentiation; chondrocyte cell proliferation;
KW   chondrocyte cell differentiation; tumour necrosis factor alpha release;
KW   (TNF)-alpha release; dermal fibroblast cell proliferation;
KW   dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;
KW   colon tumour; breast tumour; prostate tumour; rectal tumour;
KW   liver tumour; tissue typing; chromosome mapping; gene mapping;
KW   gene therapy.
XX
OS   Homo sapiens.
XX
PN   US2003073814-A1.
XX
PD   17-APR-2003.
XX
PF   12-AUG-2002; 2002US-00218849.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-644806/61.
DR   N-PSDB; ADB83725.
XX
PT   New PRO polypeptides and nucleic acids encoding the polypeptides, useful
PT   in gene therapy, chromosome identification, tissue typing, or as
PT   hybridization probes in chromosome and gene mapping.
XX
PS   Claim 11; Fig 236; 315pp; English.
XX
CC   The invention describes an isolated PRO (secreted and transmembrane)
CC   polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are
CC   useful for stimulating the proliferation of or gene expression in
CC   pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful
CC   for stimulating the proliferation or differentiation of chondrocyte
CC   cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide
CC   are useful for stimulating the release of tumour necrosis factor (TNF)-
CC   alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,
CC   PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,
CC   PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,
CC   PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412,
CC   PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,
CC   PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,
CC   PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,
CC   PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for
CC   stimulating the proliferation of normal human dermal fibroblasts cells.
CC   PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,
CC   PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for
CC   inhibiting the proliferation of normal human dermal fibroblast cells. PRO
CC   polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,
CC   are useful for detecting the presence of tumour in a mammal which
CC   involves comparing the level of expression of the above PRO polypeptides
CC   in a test sample of cells taken from the mammal, and a control sample of
CC   normal cells of the same cell type, where a higher level of expression of
CC   the PRO polypeptides in the test sample as compared to the control sample
CC   is indicative of the presence of tumour in the mammal. The tumour is lung
CC   tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or
CC   liver tumour. (I) is useful as molecular weight markers, for tissue
CC   typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is
CC   useful for chromosome and gene mapping or gene therapy. (II) is useful
CC   for generating transgenic animals or knock-out animals which are useful
CC   screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide
CC   is useful for treating bone and/or cartilage disorders (e.g., arthritis,
CC   sport injuries). This is the amino acid sequence of a human secreted and
CC   transmembrane PRO polypeptide.
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1691;  DB 7;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 8.8e-114;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
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Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
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Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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RESULT 15
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ID   ADB80832 standard; protein; 327 AA.
XX
AC   ADB80832;
XX
DT   04-DEC-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   Human; secreted and transmembrane protein; PRO; cytostatic; vulnerary;
KW   antiarthritic; pericyte cell proliferation;
KW   pericyte cell differentiation; chondrocyte cell proliferation;
KW   chondrocyte cell differentiation; tumour necrosis factor alpha release;
KW   (TNF)-alpha release; dermal fibroblast cell proliferation;
```

KW dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW liver tumour; tissue typing; chromosome mapping; gene mapping;
KW gene therapy.
XX
OS Homo sapiens.
XX
PN US2003088068-A1.
XX
PD 08-MAY-2003.
XX
PF 13-AUG-2002; 2002US-00219481.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-657982/62.
DR N-PSDB; ADB80831.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful in gene therapy, chromosome identification, tissue typing, or as
PT hybridization probes in chromosome and gene mapping.
XX
PS Claim 11; Fig 236; 305pp; English.
XX
CC The invention describes an isolated PRO (secreted and transmembrane)
CC polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are
CC useful for stimulating the proliferation of or gene expression in
CC pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful
CC for stimulating the proliferation or differentiation of chondrocyte
CC cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide
CC are useful for stimulating the release of tumour necrosis factor (TNF)-
CC alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,
CC PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,
CC PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,
CC PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412,
CC PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,
CC PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,
CC PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,
CC PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for
CC stimulating the proliferation of normal human dermal fibroblasts cells.
CC PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,
CC PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for
CC inhibiting the proliferation of normal human dermal fibroblast cells. PRO
CC polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,
CC are useful for detecting the presence of tumour in a mammal which
CC involves comparing the level of expression of the above PRO polypeptides
CC in a test sample of cells taken from the mammal, and a control sample of
CC normal cells of the same cell type, where a higher level of expression of
CC the PRO polypeptides in the test sample as compared to the control sample
CC is indicative of the presence of tumour in the mammal. The tumour is lung
CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or
CC liver tumour. (I) is useful as molecular weight markers, for tissue
CC typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is
CC useful for chromosome and gene mapping or gene therapy. (II) is useful
CC for generating transgenic animals or knock-out animals which are useful
CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide
CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,
CC sport injuries). This is the amino acid sequence of a human secreted and
CC transmembrane PRO polypeptide.
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1691; DB 7; Length 327;
Best Local Similarity 99.7%; Pred. No. 8.8e-114;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
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Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
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Job time : 103.73 secs

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: August 4, 2005, 06:13:42 ; Search time 87.4135 Seconds
(without alignments)
1447.018 Million cell updates/sec

Title: US-10-607-565-60_COPY_4_327
Perfect score: 1685
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1752860 seqs, 390397842 residues

Total number of hits satisfying chosen parameters: 1752860

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1685	100.0	327	9	US-09-820-893-60	Sequence 60, Appl
2	1685	100.0	327	15	US-10-607-565-60	Sequence 60, Appl
3	1677	99.5	327	14	US-10-227-884-236	Sequence 236, App
4	1677	99.5	327	14	US-10-230-163-236	Sequence 236, App
5	1677	99.5	327	14	US-10-230-338-236	Sequence 236, App
6	1677	99.5	327	14	US-10-218-631-236	Sequence 236, App
7	1677	99.5	327	14	US-10-230-414-236	Sequence 236, App
8	1677	99.5	327	14	US-10-232-224-236	Sequence 236, App
9	1677	99.5	327	14	US-10-216-159A-236	Sequence 236, App
10	1677	99.5	327	14	US-10-218-849-236	Sequence 236, App
11	1677	99.5	327	14	US-10-227-873-236	Sequence 236, App
12	1677	99.5	327	14	US-10-227-883-236	Sequence 236, App
13	1677	99.5	327	14	US-10-219-076-236	Sequence 236, App
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15	1677	99.5	327	14	US-10-219-003-236	Sequence 236, App
16	1677	99.5	327	14	US-10-219-075-236	Sequence 236, App
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44	1677	99.5	327	14	US-10-219-060-236	Sequence 236, App
45	1677	99.5	327	14	US-10-216-160-236	Sequence 236, App

ALIGNMENTS

RESULT 1
US-09-820-893-60
; Sequence 60, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 31 Human Secreted Proteins
; FILE REFERENCE: PZ033P1
; CURRENT APPLICATION NUMBER: US/09/820,893
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/531,119
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: 60/102,895
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-820-893-60

Query Match 100.0%; Score 1685; DB 9; Length 327;
Best Local Similarity 100.0%; Pred. No. 7.8e-120;
Matches 324; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
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Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123
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Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
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Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 2
US-10-607-565-60
; Sequence 60, Application US/10607565
; Publication No. US20040048294A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 31 Human Secreted Proteins
;  FILE REFERENCE: PZ033P1
;  CURRENT APPLICATION NUMBER: US/10/607,565
;  CURRENT FILING DATE:  2003-06-27
;  PRIOR APPLICATION NUMBER: US/09/531,119
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/101,546
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/102,895
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-607-565-60

  Query Match             100.0%;  Score 1685;  DB 15;  Length 327;
  Best Local Similarity   100.0%;  Pred. No. 7.8e-120;
  Matches  324;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
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Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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RESULT 3
US-10-227-884-236
; Sequence 236, Application US/10227884
; Publication No. US20030027988A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C79
;  CURRENT APPLICATION NUMBER: US/10/227,884
;  CURRENT FILING DATE:  2002-08-26
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
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; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.5%; Score 1677; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.2e-119;
Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy       1 LPGPPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
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Db       4 LPGPPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy      61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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Db      64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy     121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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Db     124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy     181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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Db     184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 24
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RESULT 4
US-10-230-163-236
; Sequence 236, Application US/10230163
; Publication No. US20030036635A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C96
;  CURRENT APPLICATION NUMBER: US/10/230,163
;  CURRENT FILING DATE:  2002-08-28
;  PRIOR APPLICATION NUMBER: 10/119,480
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;  PRIOR FILING DATE: 1999-12-07
;  PRIOR APPLICATION NUMBER: 60/169835

  Query Match             99.5%;  Score 1677;  DB 14;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 3.2e-119;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
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Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 5
US-10-230-338-236
; Sequence 236, Application US/10230338
; Publication No. US20030044934A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C92
;  CURRENT APPLICATION NUMBER: US/10/230,338
;  CURRENT FILING DATE:  2002-08-28
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-230-338-236

  Query Match             99.5%;  Score 1677;  DB 14;  Length 327;
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```
  Best Local Similarity   99.7%;  Pred. No. 3.2e-119;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||| |||||||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 6
US-10-218-631-236
; Sequence 236, Application US/10218631
; Publication No. US20030045687A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C14
;  CURRENT APPLICATION NUMBER: US/10/218,631
;  CURRENT FILING DATE:  2002-08-12
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-218-631-236

  Query Match           99.5%;  Score 1677;  DB 14;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 3.2e-119;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||| |||||||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 7
US-10-230-414-236
; Sequence 236, Application US/10230414
; Publication No. US20030050448A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C98
;  CURRENT APPLICATION NUMBER: US/10/230,414
;  CURRENT FILING DATE:  2002-08-28
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
```

```
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-230-414-236

  Query Match             99.5%;  Score 1677;  DB 14;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 3.2e-119;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 8
US-10-232-224-236
; Sequence 236, Application US/10232224
; Publication No. US20030065147A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C111
;  CURRENT APPLICATION NUMBER: US/10/232,224
;  CURRENT FILING DATE:  2002-08-29
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-232-224-236

  Query Match             99.5%;  Score 1677;  DB 14;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 3.2e-119;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 9
US-10-216-159A-236
; Sequence 236, Application US/10216159A
; Publication No. US20030069397A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C6
;  CURRENT APPLICATION NUMBER: US/10/216,159A
;  CURRENT FILING DATE:  2002-08-09
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
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;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-216-159A-236

  Query Match             99.5%;  Score 1677;  DB 14;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 3.2e-119;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 10
US-10-218-849-236
; Sequence 236, Application US/10218849
; Publication No. US20030073814A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C11
;  CURRENT APPLICATION NUMBER: US/10/218,849
;  CURRENT FILING DATE:  2002-08-12
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-218-849-236

  Query Match             99.5%;  Score 1677;  DB 14;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 3.2e-119;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
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Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 11
US-10-227-873-236
; Sequence 236, Application US/10227873
; Publication No. US20030073816A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C72
;  CURRENT APPLICATION NUMBER: US/10/227,873
;  CURRENT FILING DATE:  2002-08-26
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
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; PRIOR FILING DATE: 1998-03-27
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; PRIOR FILING DATE: 1998-04-15
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; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
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; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.5%; Score 1677; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.2e-119;
Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
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Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
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Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
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RESULT 12
US-10-227-883-236
; Sequence 236, Application US/10227883
; Publication No. US20030073817A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C78
; CURRENT APPLICATION NUMBER: US/10/227,883
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR APPLICATION NUMBER: 60/079294
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; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.5%; Score 1677; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.2e-119;
Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
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Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
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Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
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RESULT 13
US-10-219-076-236
; Sequence 236, Application US/10219076
; Publication No. US20030078379A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.

; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C62
; CURRENT APPLICATION NUMBER: US/10/219,076
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-076-236

Query Match 99.5%; Score 1677; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.2e-119;
Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
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Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
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Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
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RESULT 14
US-10-230-434-236
; Sequence 236, Application US/10230434
; Publication No. US20030078380A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C82
; CURRENT APPLICATION NUMBER: US/10/230,434
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
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; PRIOR APPLICATION NUMBER: 60/084441
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; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.5%; Score 1677; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.2e-119;
Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 LPGPPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
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Db          4 LPGPPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
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Db        304 KGFLERPSSASTVTTTKSKLPMVV 327

RESULT 15
US-10-219-003-236
; Sequence 236, Application US/10219003
; Publication No. US20030088063A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C12
;  CURRENT APPLICATION NUMBER: US/10/219,003
;  CURRENT FILING DATE:  2002-08-12
;  PRIOR APPLICATION NUMBER: 10/119,480
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;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
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; PRIOR FILING DATE: 1998-12-23
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; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.5%; Score 1677; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.2e-119;
Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
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Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
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Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
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Search completed: August 4, 2005, 06:47:27
Job time : 88.4135 secs

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: August 4, 2005, 06:13:42 ; Search time 88.2229 Seconds
(without alignments)
1447.018 Million cell updates/sec

Title: US-10-607-565-60
Perfect score: 1699
Sequence: 1 MAELPGPFLCGALLGFLCLS.....ERPSSASTVTTTKSKLPMVV 327

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1752860 seqs, 390397842 residues

Total number of hits satisfying chosen parameters: 1752860

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
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21: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1699	100.0	327	15	US-10-607-565-60	Sequence 60, Appl
3	1691	99.5	327	14	US-10-227-884-236	Sequence 236, App
4	1691	99.5	327	14	US-10-230-163-236	Sequence 236, App
5	1691	99.5	327	14	US-10-230-338-236	Sequence 236, App
6	1691	99.5	327	14	US-10-218-631-236	Sequence 236, App
7	1691	99.5	327	14	US-10-230-414-236	Sequence 236, App
8	1691	99.5	327	14	US-10-232-224-236	Sequence 236, App
9	1691	99.5	327	14	US-10-216-159A-236	Sequence 236, App
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36	1691	99.5	327	14	US-10-227-881-236	Sequence 236, App
37	1691	99.5	327	14	US-10-227-882-236	Sequence 236, App
38	1691	99.5	327	14	US-10-230-436-236	Sequence 236, App
39	1691	99.5	327	14	US-10-232-223-236	Sequence 236, App
40	1691	99.5	327	14	US-10-232-225-236	Sequence 236, App
41	1691	99.5	327	14	US-10-232-227-236	Sequence 236, App
42	1691	99.5	327	14	US-10-232-229-236	Sequence 236, App
43	1691	99.5	327	14	US-10-232-234-236	Sequence 236, App
44	1691	99.5	327	14	US-10-219-060-236	Sequence 236, App
45	1691	99.5	327	14	US-10-216-160-236	Sequence 236, App

ALIGNMENTS

RESULT 1
US-09-820-893-60
; Sequence 60, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 31 Human Secreted Proteins
; FILE REFERENCE: PZ033P1
; CURRENT APPLICATION NUMBER: US/09/820,893
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/531,119
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: 60/102,895
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-820-893-60

Query Match 100.0%; Score 1699; DB 9; Length 327;
Best Local Similarity 100.0%; Pred. No. 8.3e-121;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-10-607-565-60
; Sequence 60, Application US/10607565
; Publication No. US20040048294A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 31 Human Secreted Proteins
;  FILE REFERENCE: PZ033P1
;  CURRENT APPLICATION NUMBER: US/10/607,565
;  CURRENT FILING DATE:  2003-06-27
;  PRIOR APPLICATION NUMBER: US/09/531,119
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/101,546
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/102,895
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-607-565-60

  Query Match            100.0%;  Score 1699;  DB 15;  Length 327;
  Best Local Similarity  100.0%;  Pred. No. 8.3e-121;
  Matches  327;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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RESULT 3
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; Sequence 236, Application US/10227884
; Publication No. US20030027988A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C79
;  CURRENT APPLICATION NUMBER: US/10/227,884
;  CURRENT FILING DATE:  2002-08-26
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
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; PRIOR APPLICATION NUMBER: 60/166361
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; PRIOR APPLICATION NUMBER: 60/169445
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; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.5%; Score 1691; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.4e-120;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
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Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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RESULT 4
US-10-230-163-236
; Sequence 236, Application US/10230163
; Publication No. US20030036635A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C96
;  CURRENT APPLICATION NUMBER: US/10/230,163
;  CURRENT FILING DATE:  2002-08-28
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  PRIOR APPLICATION NUMBER: 60/081819
;  PRIOR FILING DATE: 1998-04-15
;  PRIOR APPLICATION NUMBER: 60/081955
;  PRIOR FILING DATE: 1998-04-15
;  PRIOR APPLICATION NUMBER: 60/082804
;  PRIOR FILING DATE: 1998-04-22
;  PRIOR APPLICATION NUMBER: 60/084441
;  PRIOR FILING DATE: 1998-05-06
;  PRIOR APPLICATION NUMBER: 60/085323
;  PRIOR FILING DATE: 1998-05-13
;  PRIOR APPLICATION NUMBER: 60/085579
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/086392
;  PRIOR FILING DATE: 1998-05-22
;  PRIOR APPLICATION NUMBER: 60/089532
;  PRIOR FILING DATE: 1998-06-17
;  PRIOR APPLICATION NUMBER: 60/089538
;  PRIOR FILING DATE: 1998-06-17
;  PRIOR APPLICATION NUMBER: 60/089905
;  PRIOR FILING DATE: 1998-06-18
;  PRIOR APPLICATION NUMBER: 60/090472
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090557
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090691
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/090695
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/095302
;  PRIOR FILING DATE: 1998-08-04
;  PRIOR APPLICATION NUMBER: 60/095318
;  PRIOR FILING DATE: 1998-08-04
;  PRIOR APPLICATION NUMBER: 60/095916
;  PRIOR FILING DATE: 1998-08-10
;  PRIOR APPLICATION NUMBER: 60/096146
;  PRIOR FILING DATE: 1998-08-11
;  PRIOR APPLICATION NUMBER: 60/096791
;  PRIOR FILING DATE: 1998-08-17
;  PRIOR APPLICATION NUMBER: 60/097986
;  PRIOR FILING DATE: 1998-08-26
;  PRIOR APPLICATION NUMBER: 60/098544
;  PRIOR FILING DATE: 1998-08-31
;  PRIOR APPLICATION NUMBER: 60/099596
;  PRIOR FILING DATE: 1998-09-09
;  PRIOR APPLICATION NUMBER: 60/099598
;  PRIOR FILING DATE: 1998-09-09
;  PRIOR APPLICATION NUMBER: 60/099803
;  PRIOR FILING DATE: 1998-09-10
;  PRIOR APPLICATION NUMBER: 60/099811
;  PRIOR FILING DATE: 1998-09-10
;  PRIOR APPLICATION NUMBER: 60/099812
;  PRIOR FILING DATE: 1998-09-10
;  PRIOR APPLICATION NUMBER: 60/099816
;  PRIOR FILING DATE: 1998-09-10
;  PRIOR APPLICATION NUMBER: 60/100038
;  PRIOR FILING DATE: 1998-09-11
;  PRIOR APPLICATION NUMBER: 60/100385
;  PRIOR FILING DATE: 1998-09-15
;  PRIOR APPLICATION NUMBER: 60/100390
;  PRIOR FILING DATE: 1998-09-15
;  PRIOR APPLICATION NUMBER: 60/100627
;  PRIOR FILING DATE: 1998-09-16
;  PRIOR APPLICATION NUMBER: 60/100848
;  PRIOR FILING DATE: 1998-09-18
;  PRIOR APPLICATION NUMBER: 60/100919
;  PRIOR FILING DATE: 1998-09-17
;  PRIOR APPLICATION NUMBER: 60/101477
;  PRIOR FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: 60/101738
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101741
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101786
;  PRIOR FILING DATE: 1998-09-25
;  PRIOR APPLICATION NUMBER: 60/101916
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/101922
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 60/106178
;  PRIOR FILING DATE: 1998-10-28
;  PRIOR APPLICATION NUMBER: 60/106248
;  PRIOR FILING DATE: 1998-10-29
;  PRIOR APPLICATION NUMBER: 60/106464
;  PRIOR FILING DATE: 1998-10-30
;  PRIOR APPLICATION NUMBER: 60/106905
;  PRIOR FILING DATE: 1998-11-03
;  PRIOR APPLICATION NUMBER: 60/108787
;  PRIOR FILING DATE: 1998-11-17
;  PRIOR APPLICATION NUMBER: 60/108801
;  PRIOR FILING DATE: 1998-11-17
;  PRIOR APPLICATION NUMBER: 60/108849
;  PRIOR FILING DATE: 1998-11-18
;  PRIOR APPLICATION NUMBER: 60/112422
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; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113296
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.5%; Score 1691; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.4e-120;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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RESULT 5
US-10-230-338-236
; Sequence 236, Application US/10230338
; Publication No. US20030044934A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C92
; CURRENT APPLICATION NUMBER: US/10/230,338
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-236

Query Match 99.5%; Score 1691; DB 14; Length 327;

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  Best Local Similarity   99.7%;  Pred. No. 3.4e-120;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 6
US-10-218-631-236
; Sequence 236, Application US/10218631
; Publication No. US20030045687A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C14
;  CURRENT APPLICATION NUMBER: US/10/218,631
;  CURRENT FILING DATE:  2002-08-12
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-218-631-236

  Query Match           99.5%;  Score 1691;  DB 14;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 3.4e-120;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 7
US-10-230-414-236
; Sequence 236, Application US/10230414
; Publication No. US20030050448A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C98
;  CURRENT APPLICATION NUMBER: US/10/230,414
;  CURRENT FILING DATE:  2002-08-28
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
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;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-230-414-236

  Query Match             99.5%;  Score 1691;  DB 14;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 3.4e-120;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 8
US-10-232-224-236
; Sequence 236, Application US/10232224
; Publication No. US20030065147A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C111
;  CURRENT APPLICATION NUMBER: US/10/232,224
;  CURRENT FILING DATE:  2002-08-29
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-232-224-236

  Query Match             99.5%;  Score 1691;  DB 14;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 3.4e-120;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 9
US-10-216-159A-236
; Sequence 236, Application US/10216159A
; Publication No. US20030069397A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C6
;  CURRENT APPLICATION NUMBER: US/10/216,159A
;  CURRENT FILING DATE:  2002-08-09
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
```

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;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-216-159A-236

  Query Match            99.5%;  Score 1691;  DB 14;  Length 327;
  Best Local Similarity  99.7%;  Pred. No. 3.4e-120;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 10
US-10-218-849-236
; Sequence 236, Application US/10218849
; Publication No. US20030073814A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C11
;  CURRENT APPLICATION NUMBER: US/10/218,849
;  CURRENT FILING DATE:  2002-08-12
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
;   LENGTH: 327
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-218-849-236

  Query Match            99.5%;  Score 1691;  DB 14;  Length 327;
  Best Local Similarity  99.7%;  Pred. No. 3.4e-120;
  Matches  326;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 11
US-10-227-873-236
; Sequence 236, Application US/10227873
; Publication No. US20030073816A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C72
;  CURRENT APPLICATION NUMBER: US/10/227,873
;  CURRENT FILING DATE:  2002-08-26
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
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; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089905
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090691
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/095302
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095318
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095916
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/096146
; PRIOR FILING DATE: 1998-08-11
; PRIOR APPLICATION NUMBER: 60/096791
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/097986
; PRIOR FILING DATE: 1998-08-26
; PRIOR APPLICATION NUMBER: 60/098544
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099803
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099811
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099816
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/100038
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/100385
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100390
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100627
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100848
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/100919
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/101477
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101738
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101741
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101786
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: 60/101916
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101922
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/106178
; PRIOR FILING DATE: 1998-10-28
; PRIOR APPLICATION NUMBER: 60/106248
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: 60/106464
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/106905
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: 60/108787
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108801
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108849
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 60/112422
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113296
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
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; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
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; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963

; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.5%; Score 1691; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.4e-120;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              ||||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 12
US-10-227-883-236
; Sequence 236, Application US/10227883
; Publication No. US20030073817A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C78
; CURRENT APPLICATION NUMBER: US/10/227,883
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089905
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090691
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/095302
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; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/096146
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; PRIOR APPLICATION NUMBER: 60/096791
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/097986
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; PRIOR FILING DATE: 1998-09-15
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; PRIOR APPLICATION NUMBER: 60/100627
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; PRIOR APPLICATION NUMBER: 60/100848
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; PRIOR APPLICATION NUMBER: 60/113621
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; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
; PRIOR FILING DATE: 1999-01-12
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; PRIOR FILING DATE: 1999-01-12
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; PRIOR FILING DATE: 1999-03-23
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; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.5%; Score 1691; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.4e-120;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              |||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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RESULT 13
US-10-219-076-236
; Sequence 236, Application US/10219076
; Publication No. US20030078379A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.

; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C62
; CURRENT APPLICATION NUMBER: US/10/219,076
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 236
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-076-236

Query Match 99.5%; Score 1691; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.4e-120;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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RESULT 14
US-10-230-434-236
; Sequence 236, Application US/10230434
; Publication No. US20030078380A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C82
; CURRENT APPLICATION NUMBER: US/10/230,434
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
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; PRIOR APPLICATION NUMBER: 60/079728
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; PRIOR APPLICATION NUMBER: 60/090695
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; PRIOR APPLICATION NUMBER: 60/091982
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; PRIOR APPLICATION NUMBER: 60/100390
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; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/106905
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: 60/108787
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108801
; PRIOR FILING DATE: 1998-11-17
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; PRIOR APPLICATION NUMBER: 60/113605
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; PRIOR APPLICATION NUMBER: 60/113621
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; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
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; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
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; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
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; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.5%; Score 1691; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.4e-120;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327


RESULT 15
US-10-219-003-236
; Sequence 236, Application US/10219003
; Publication No. US20030088063A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Kevin P.
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Gerritsen, Mary
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Smith, Victoria
;  APPLICANT:  Stephan, Jean-Philippe F.
;  APPLICANT:  Watanabe, Colin L.
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3530P1C12
;  CURRENT APPLICATION NUMBER: US/10/219,003
;  CURRENT FILING DATE:  2002-08-12
;  PRIOR APPLICATION NUMBER: 10/119,480
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/063549
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/064103
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/069873
;  PRIOR FILING DATE: 1997-12-17
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
;  PRIOR APPLICATION NUMBER: 60/081819
;  PRIOR FILING DATE: 1998-04-15
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; PRIOR APPLICATION NUMBER: 60/131022
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; PRIOR APPLICATION NUMBER: 60/134287
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; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
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; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
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; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
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; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.5%; Score 1691; DB 14; Length 327;
Best Local Similarity 99.7%; Pred. No. 3.4e-120;
Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

Qy         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  ||
Db        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

Qy        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
              |||||||||||||||||||||||||||
Db        301 DSSKGFLERPSSASTVTTTKSKLPMVV 327
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Search completed: August 4, 2005, 06:47:26
Job time : 90.2229 secs

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: August 4, 2005, 05:53:15 ; Search time 98.8153 Seconds
(without alignments)
1268.128 Million cell updates/sec

Title: US-10-607-565-60_COPY_4_327
Perfect score: 1685
Sequence: 1 LPGPFLCGALLGFLCLSGLA.....ERPSSASTVTTTKSKLPMVV 324

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_16Dec04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1678	99.6	327	3	AAB08903	Aab08903 Human sec
2	1677	99.5	327	3	AAY87251	Aay87251 Human sig
3	1677	99.5	327	3	AAY94857	Aay94857 Human pro
4	1677	99.5	327	4	AAY97585	Aay97585 Human sec
5	1677	99.5	327	5	ABB90354	Abb90354 Human pol
6	1677	99.5	327	5	AAU83709	Aau83709 Human PRO
7	1677	99.5	327	6	ABU80856	Abu80856 Human PRO
8	1677	99.5	327	6	ABO33822	Abo33822 Novel hum
9	1677	99.5	327	6	ABU82165	Abu82165 Novel hum
10	1677	99.5	327	6	ABJ72345	Abj72345 Human PRO
11	1677	99.5	327	6	ABJ72473	Abj72473 Human PRO
12	1677	99.5	327	6	ABO34368	Abo34368 Human sec
13	1677	99.5	327	7	ABJ72175	Abj72175 Human mem
14	1677	99.5	327	7	ADB83726	Adb83726 Novel hum
15	1677	99.5	327	7	ADB80832	Adb80832 Novel hum
16	1677	99.5	327	7	ADB73373	Adb73373 Novel hum
17	1677	99.5	327	7	ADB78455	Adb78455 Novel hum
18	1677	99.5	327	7	ADB85103	Adb85103 Human PRO
19	1677	99.5	327	7	ADB78209	Adb78209 Novel hum
20	1677	99.5	327	7	ADB87275	Adb87275 Human PRO
21	1677	99.5	327	7	ADB84857	Adb84857 Human PRO
22	1677	99.5	327	7	ADB83972	Adb83972 Novel hum
23	1677	99.5	327	7	ADB73127	Adb73127 Novel hum
24	1677	99.5	327	7	ADC36965	Adc36965 Human PRO
25	1677	99.5	327	7	ADC21955	Adc21955 Human PRO
26	1677	99.5	327	7	ADC49986	Adc49986 Novel hum
27	1677	99.5	327	7	ADC49185	Adc49185 Novel hum
28	1677	99.5	327	7	ADC49702	Adc49702 Novel hum
29	1677	99.5	327	7	ADC47563	Adc47563 Novel hum
30	1677	99.5	327	7	ADC47308	Adc47308 Novel hum
31	1677	99.5	327	7	ADC78183	Adc78183 Novel hum
32	1677	99.5	327	7	ADD06418	Add06418 Novel hum
33	1677	99.5	327	7	ADC77937	Adc77937 Novel hum
34	1677	99.5	327	7	ADD50900	Add50900 Novel hum
35	1677	99.5	327	7	ADD51146	Add51146 Novel hum
36	1677	99.5	327	7	ADD50627	Add50627 Human PRO
37	1677	99.5	327	7	ADD50381	Add50381 Human PRO
38	1677	99.5	327	7	ADD51392	Add51392 Novel hum
39	1677	99.5	327	8	ADC48939	Adc48939 Novel hum
40	1677	99.5	327	8	ADE21110	Ade21110 Novel hum
41	1677	99.5	327	8	ADE05954	Ade05954 Human PRO
42	1677	99.5	327	8	ADD75183	Add75183 Human PRO
43	1677	99.5	327	8	ADD75929	Add75929 Novel hum
44	1677	99.5	327	8	ADD85161	Add85161 Novel hum
45	1677	99.5	327	8	ADD86987	Add86987 Novel hum

ALIGNMENTS

RESULT 1
AAB08903
ID AAB08903 standard; protein; 327 AA.
XX
AC AAB08903;
XX
DT 30-AUG-2000 (first entry)
XX
DE Human secreted protein sequence encoded by gene 13 SEQ ID NO:60.
XX
KW Human; secreted protein; cytostatic; anti-proliferative; vulnerary;
KW immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis;
KW hyperproliferative disorder; infectious disease; tissue regeneration;
KW screening; food additive; preservative; wound healing;
KW hyper-vascular disease; chromsome 11.
XX
OS Homo sapiens.
XX
PN WO200017222-A1.
XX
PD 30-MAR-2000.
XX
PF 22-SEP-1999; 99WO-US022012.
XX
PR 23-SEP-1998; 98US-0101546P.
PR 02-OCT-1998; 98US-0102895P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Ruben SM, Rosen CA, Duan RD, Shi Y, Lafleur DW, Young PE, Ni J;
PI Komatsoulis G, Endress GA, Soppet DR;
XX
DR WPI; 2000-283538/24.
DR N-PSDB; AAA39064.
XX
PT Human secreted proteins and coding sequences useful in diagnostic and
PT therapeutic methods for disorders such as immune system or proliferative
PT disorders, related to the proteins.
XX
PS Claim 11; Page 359-360; 416pp; English.
XX
CC The polynucleotide sequences given in AAA39052 to AAA39088 encode the
CC human secreted proteins given in AAB08891 to AAB08984. The human secreted
CC proteins can have activities based on the tissues and cells they are
CC expressed in. Examples of the activities are: cytostatic; anti-
CC proliferative; immunosuppressive; antibacterial; and vulnerary. The
CC secreted proteins and their related polynucleotide sequences are useful
CC for diagnostic and therapeutic methods useful for diagnosing and treating

```
CC   disorders related to the secreted proteins. The proteins, and
CC   polynucleotide sequences may be useful for treating disorders of the
CC   immune system, hyperproliferative disorders, infectious disease,
CC   regeneration of tissues, for chemotaxis and for screening molecules that
CC   bind to the proteins. The proteins or polynucleotide sequences may be
CC   used as food additives or preservatives, to increase or decrease storage
CC   capabilities, fat content, lipid, protein, carbohydrate, vitamins,
CC   minerals, co-factors or other nutritional components. Agonists or
CC   antagonists of the proteins may be used to prevent scar tissue growth
CC   during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051
CC   and AAB08890 are sequences used in the exemplification of the present
CC   invention
XX
SQ   Sequence 327 AA;

  Query Match             99.6%;  Score 1678;  DB 3;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 5.7e-113;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              |||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFYNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 2
AAY87251
ID   AAY87251 standard; protein; 327 AA.
XX
AC   AAY87251;
XX
DT   11-MAY-2000  (first entry)
XX
DE   Human signal peptide containing protein HSPP-28 SEQ ID NO:28.
XX
KW   Human; signal peptide-containing protein; HSPP; diagnosis; cancer;
KW   inflammation; cardiovascular disease; anticancer; anti-inflammatory;
KW   antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic;
KW   antiasthmatic; gene therapy; cell proliferation; neurological disorder;
KW   reproductive disorder; developmental disorder; arteriosclerosis;
KW   cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;
KW   asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;
KW   Parkinson's disease; Huntington's diseases; ovulatory defect;
KW   muscular dystrophy.
XX
OS   Homo sapiens.
XX
PN   WO200000610-A2.
XX
PD   06-JAN-2000.
XX
PF   25-JUN-1999;   99WO-US014484.
XX
PR   26-JUN-1998;   98US-0090762P.
PR   31-JUL-1998;   98US-0094983P.
PR   01-OCT-1998;   98US-0102686P.
PR   11-DEC-1998;   98US-0112129P.
XX
PA   (INCY-) INCYTE PHARM INC.
XX
PI   Lal P,  Tang YT,  Gorgone GA,  Corley NC,  Guegler KJ,  Baughn MR;
PI   Akerblom IE,  Au-Young J,  Yue H,  Patterson C,  Reddy R,  Hillman JL;
PI   Bandman O;
XX
DR   WPI; 2000-160673/14.
DR   N-PSDB; AAZ98136.
XX
PT   New human signal peptide-containing proteins useful in treatment,
PT   prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
PT   disease.
XX
PS   Claim 1; Page 177-178; 327pp; English.
XX
CC   AAZ98109 to AAZ98242 encode AAY87224 to AAY87357 which represent the
CC   human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have
CC   anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic,
CC   neuroprotective, cardiovascular and antiasthmatic activities, and can be
CC   used in gene therapy. HSPPs can be used to treat or prevent disorders
CC   associated with decreased activity or function of HSPP. Antagonists of
CC   HSPP are used to treat or prevent disorders associated with increased
CC   activity or function of HSPP. Such diseases include cell proliferation
CC   (including cancer), inflammation, cardiovascular, neurological,
CC   reproductive or developmental disorders, (e.g. arteriosclerosis,
CC   cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia,
CC   asthma, Crohn's disease, microbial or other infections, congestive or
CC   ischaemic heart disease, Alzheimer's, Parkinson's or Huntington's
CC   diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP
CC   nucleic acids can be used for the recombinant production of HSPP, for
CC   detecting HSPP in standard hybridisation and amplification assays (for
CC   diagnosis and monitoring), in gene therapy, as antisense, triplex-forming
CC   or ribozyme therapeutics, for detecting related sequences or genetic
CC   variations, and for chromosomal mapping. HSPP are also used to raise
CC   specific antibodies (Ab) and to screen for agonists and antagonists
CC   (potential therapeutic agents). Ab are used to diagnose, or monitor, HSPP
CC   -related diseases (in usual immunoassays), as therapeutic antagonists, in
CC   competitive drug screens, and for purification of HSPP from natural
CC   sources
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1677;  DB 3;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 6.8e-113;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 3
AAY94857
ID AAY94857 standard; protein; 327 AA.
XX
AC AAY94857;
XX
DT 12-JUN-2000 (first entry)
XX
DE Human protein clone HP10568.
XX
KW Human protein; hydrophobic domain; nutritional source; haematopoiesis;
KW cytokine production; cell proliferation; cell differentiation;
KW immune deficiency; infectious disease; autoimmune disorder; asthma;
KW multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis;
KW allergic reaction; osteoporosis; osteoarthritis; periodontal disease;
KW nervous system disorder; Alzheimer's disease; Parkinson's disease;
KW Huntington's disease; liver fibrosis; lung fibrosis; reperfusion injury;
KW systemic cytokine damage; tissue differentiation; contraceptive; stroke;
KW coagulation disorder; myocardial infarction; inflammatory condition;
KW septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour;
KW nephritis; therapy.
XX
OS Homo sapiens.
XX
PN WO200005367-A2.
XX
PD 03-FEB-2000.
XX
PF 22-JUL-1999; 99WO-JP003929.
XX
PR 24-JUL-1998; 98JP-00208820.
PR 07-AUG-1998; 98JP-00224105.
PR 25-AUG-1998; 98JP-00238116.
PR 09-SEP-1998; 98JP-00254736.
PR 29-SEP-1998; 98JP-00275505.
XX
PA (SAGA) SAGAMI CHEM RES CENT.
PA (PROT-) PROTEGENE INC.
XX
PI Kato S, Kimura T;
XX
DR WPI; 2000-182694/16.
XX
PT Novel human proteins having hydrophobic domains useful for treating
PT osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple
PT sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.
XX
PS Claim 1; Page 183-184; 351pp; English.
XX
CC This sequence represents a human protein of the invention, which has
CC hydrophobic domains. The DNA sequences can be used as a probe or as a
CC genetic marker. The protein can also be used as a marker, and to identify
CC potential genetic disorders. The DNA and protein can also be used as
CC nutritional sources or supplements. The protein exhibits cytokine, cell
CC proliferation, cell differentiation activities and induces production of
CC other cytokines in certain cell populations. The protein also exhibits
CC immune stimulating or immune suppressing activity. It can be used in the
CC treatment of various immune deficiencies and disorders, and to treat
CC infectious diseases caused by viral, bacterial, fungal or other
CC infections. The protein is also used for treating autoimmune disorders
CC such as multiple sclerosis, systemic lupus erythematosus, and rheumatoid
CC arthritis. It is also useful in the treatment of allergic reactions and
CC conditions such as asthma, and in immune suppression after organ
CC transplantation. The protein is useful in regulation of haematopoiesis
CC and consequently in the treatment of myeloid or lymphoid cell
CC deficiencies. It is also used in compositions for tissue growth or
CC regeneration. The protein is also used in the treatment of osteoporosis
CC or osteoarthritis and in the treatment of periodontal disease and other
CC tooth repair processes. The protein is used in the treatment of nervous
CC system disorders such as Alzheimer's disease, Parkinson's disease, and
CC Huntington's disease. They are useful for protection or regeneration and
CC treatment of lung or liver fibrosis, reperfusion injury in various
CC tissues, and conditions resulting from systemic cytokine damage. They are
CC also used for promoting or inhibiting tissue differentiation. They are
CC also used as contraceptives since they exhibit activin or inhibin related
CC activities and as a fertility inducing therapeutic. They are used for
CC treating various coagulation disorders and in treatment and prevention of
CC conditions resulting from coagulation activities e.g. myocardial
CC infarction or stroke. They also acts as receptors, receptor ligands or
CC inhibitors or agonists of receptor/ligand interactions. They are used to
CC treat inflammatory conditions such as septic shock, sepsis, ischaemia
CC reperfusion injury, arthritis, and nephritis. They can be used to prevent
CC tumours
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1677; DB 3; Length 327;
Best Local Similarity 99.7%; Pred. No. 6.8e-113;
Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 4
AAY97585
ID AAY97585 standard; protein; 327 AA.
XX
AC AAY97585;
XX
DT 05-APR-2001 (first entry)
XX
DE Human secreted protein PRO7154.
XX
KW Secreted protein; human; PRO protein; neoplastic cell growth; tumour;
KW proliferation; leukaemia; lymphoid malignancy; inflammatory disorder;
KW angiogenic disorder; immunologic disorder; PRO7154.
XX
OS Homo sapiens.
XX
PN WO200075317-A2.
XX
PD 14-DEC-2000.
XX
PF 15-MAY-2000; 2000WO-US013358.
XX
PR 09-JUN-1999; 99US-0138385P.
PR 20-JUL-1999; 99US-0144790P.
PR 03-AUG-1999; 99US-0146843P.
PR 10-AUG-1999; 99US-0148188P.
PR 17-AUG-1999; 99US-0149320P.
PR 17-AUG-1999; 99US-0149327P.
PR 17-AUG-1999; 99US-0149396P.

```
PR   20-AUG-1999;   99US-0150114P.
PR   31-AUG-1999;   99US-0151700P.
PR   31-AUG-1999;   99US-0151734P.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Botstein DA,  Goddard A,  Gurney AL,  Smith V,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2001-071075/08.
DR   N-PSDB; AAA91019.
XX
PT   Antibodies against PRO polypeptides, useful for diagnosing and treating
PT   tumors are associated with gene amplification, neoplastic cell growth and
PT   proliferation in mammals.
XX
PS   Claim 61; Fig 12; 143pp; English.
XX
CC   This sequence is a human PRO protein of the invention. The PRO proteins
CC   are secreted proteins. Antagonists or antibodies of PRO polypeptides are
CC   useful for diagnosing and treating tumours are associated with gene
CC   amplification, neoplastic cell growth and proliferation in mammals, and
CC   those conditions characterised by overexpression and/or activation of the
CC   amplified genes. Such conditions include benign or malignant tumours
CC   (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian,
CC   colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic
CC   carcinomas, sarcomas, glioblastomas and various head and neck tumours);
CC   leukaemias and lymphoid malignancies; neuronal, glial, astrocytal,
CC   hypothalamic, and other glandular, macrophageal, epithelial, stromal and
CC   blastocoelic disorders; and inflammatory, angiogenic and immunologic
CC   disorders. These may further be used to qualitatively or quantitatively
CC   detect the expression of proteins encoded by the amplified genes, and in
CC   tumour diagnostics or prognostics. The PRO polypeptide or its antagonist
CC   may be used for the preparation of a medicament in the treatment of a
CC   condition, which is responsive to the PRO polypeptide, its antagonist or
CC   anti-PRO antibody
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1677;  DB 4;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 6.8e-113;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 5
ABB90354
ID   ABB90354 standard; protein; 327 AA.
XX
AC   ABB90354;
XX
DT   24-MAY-2002  (first entry)
XX
DE   Human polypeptide SEQ ID NO 2730.
XX
KW   Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral;
KW   antiallergic; hepatotropic; antidiabetic; antiinflammatory; antiulcer;
KW   vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic;
KW   cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder;
KW   neurological disease; infection; human; secreted protein.
XX
OS   Homo sapiens.
XX
PN   WO200190304-A2.
XX
PD   29-NOV-2001.
XX
PF   18-MAY-2001; 2001WO-US016450.
XX
PR   19-MAY-2000; 2000US-0205515P.
XX
PA   (HUMA-) HUMAN GENOME SCI INC.
XX
PI   Birse CE,  Rosen CA;
XX
DR   WPI; 2002-122018/16.
DR   N-PSDB; ABL90763.
XX
PT   Novel 1405 isolated polypeptides, useful for diagnosis, treatment and
PT   prevention of neural, immune system, muscular, reproductive,
PT   gastrointestinal, pulmonary, cardiovascular, renal and proliferative
PT   disorders.
XX
PS   Claim 11; SEQ ID NO 2730; 2081pp + Sequence Listing; English.
XX
CC   The invention relates to novel genes (ABL89449-ABL90853) and proteins
CC   (ABB89040-ABB90444) useful for preventing, treating or ameliorating
CC   medical conditions e.g. by protein or gene therapy. The genes are
CC   isolated from a range of human tissues disclosed in the specification.
CC   The nucleic acids, proteins, antibodies and (ant)agonists are useful in
CC   the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and
CC   ovarian cancer and other cancers of the adrenal gland, bone, bone marrow,
CC   breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune
CC   disorders e.g. Addison's disease, allergies, autoimmune haemolytic
CC   anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease,
CC   multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c)
CC   cardiovascular disorders such as myocardial ischaemias; (d) wound healing
CC   ; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f)
CC   infectious diseases such as viral, bacterial, fungal and parasitic
CC   infections. Note: The sequence data for this patent did not form part of
CC   the printed specification, but was obtained in electronic format directly
CC   from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1677;  DB 5;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 6.8e-113;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
```

```
Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 6
AAU83709
ID AAU83709 standard; protein; 327 AA.
XX
AC AAU83709;
XX
DT 08-MAY-2002 (first entry)
XX
DE Human PRO protein, Seq ID No 236.
XX
KW Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW breast cancer; prostate tumour; rectal tumour; liver tumour;
KW pericyte cell proliferation; chondrocyte cell proliferation;
KW tumour necrosis factor-alpha.
XX
OS Homo sapiens.
XX
PN WO200208288-A2.
XX
PD 31-JAN-2002.
XX
PF 29-JUN-2001; 2001WO-US021066.
XX
PR 20-JUL-2000; 2000US-0219556P.
PR 25-JUL-2000; 2000US-0220585P.
PR 25-JUL-2000; 2000US-0220605P.
PR 25-JUL-2000; 2000US-0220607P.
PR 25-JUL-2000; 2000US-0220624P.
PR 25-JUL-2000; 2000US-0220638P.
PR 25-JUL-2000; 2000US-0220664P.
PR 25-JUL-2000; 2000US-0220666P.
PR 26-JUL-2000; 2000US-0220893P.
PR 28-JUL-2000; 2000WO-US020710.
PR 01-AUG-2000; 2000US-0222425P.
PR 22-AUG-2000; 2000US-0227133P.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 10-NOV-2000; 2000WO-US030873.
PR 28-NOV-2000; 2000US-0253646P.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001WO-US017092.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2002-172001/22.
DR N-PSDB; ABK33653.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for treating a PRO related disorder and for diagnosing tumors such
PT as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
PT or liver tumor.
XX
PS Claim 11; Fig 236; 359pp; English.
XX
CC The invention relates to one hundred and twenty two nucleic acids
CC encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
CC encode human secreted proteins. The PRO nucleic acids, polypeptides,
CC agonists and antagonists are useful for treating a PRO related disorder.
CC The PRO polypeptides are useful for diagnosing tumours, especially lung
CC cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
CC liver tumour. The PRO polypeptides are useful for stimulating the
CC proliferation of, or gene expression, in pericyte cells, for stimulating
CC the proliferation or differentiation of chondrocyte cells, for
CC stimulating the release of tumour necrosis factor-alpha from human blood,
CC for stimulating or inhibiting the proliferation of normal human dermal
CC fibroblast cells. The PRO polypeptide may also be used as molecular
CC weight markers and for tissue typing. The PRO nucleic acids have
CC applications in molecular biology, including use as hybridisation probes,
CC and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO
CC protein sequences of the invention
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1677; DB 5; Length 327;
Best Local Similarity 99.7%; Pred. No. 6.8e-113;
Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 7
ABU80856
ID ABU80856 standard; protein; 327 AA.
XX
AC ABU80856;
XX
DT 23-JUN-2003 (first entry)
XX
DE Human PRO polypeptide #118.
XX
KW Human; PRO polypeptide; secreted and transmembrane protein;
KW anti-PRO antibody; diagnostic assay; gene expression; tumour; cytostatic.
XX
OS Homo sapiens.
XX
PN US2003036635-A1.
XX
PD 20-FEB-2003.
XX
PF 28-AUG-2002; 2002US-00230163.
XX
PR 25-JUL-2000; 2000US-0220638P.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.

```
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-342045/32.
DR   N-PSDB; ACA66958.
XX
PT   One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT   useful for the manufacture of a medicament for diagnosing or treating
PT   tumor.
XX
PS   Claim 11; Fig 236; 314pp; English.
XX
CC   The present invention relates to the isolation of novel human PRO
CC   polypeptides, and the polynucleotide sequences encoding them. The PRO
CC   polypeptides are secreted and transmembrane proteins. The PRO
CC   polypeptides and polynucleotides are useful for preparing a medicament
CC   useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are
CC   useful in diagnostic assays for PRO, by detecting its expression in
CC   specific cells, tissues or serum, and for affinity purification of PRO
CC   from recombinant cell culture or natural sources. ABU80739-ABU80860
CC   represent the human PRO polypeptides of the invention. Note: The sequence
CC   data for this patent was obtained in electronic format directly from the
CC   USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1677;  DB 6;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 6.8e-113;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 8
ABO33822
ID   ABO33822 standard; protein; 327 AA.
XX
AC   ABO33822;
XX
DT   17-SEP-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   Human; secreted and transmembrane protein; PRO; cytostatic;
KW   antiarthritic; osteopathic; gene therapy; TNF-Agonist-Alpha;
KW   chondrocyte stimulator; pericyte stimulator; fibroblast modulator;
KW   pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour;
KW   colon tumour; breast tumour; prostate tumour; rectal tumour;
KW   liver tumour; bone disorder; cartilage disorder; sports injury;
KW   arthritis; wound.
XX
OS   Homo sapiens.
XX
PN   US2003045687-A1.
XX
PD   06-MAR-2003.
XX
PF   12-AUG-2002; 2002US-00218631.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-512315/48.
DR   N-PSDB; ACD68710.
XX
PT   New genes, and its encoded secreted and transmembrane polypeptides,
PT   useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or
PT   pericyte proliferation, especially for treating lung tumors, arthritis or
PT   wounds in a mammal.
XX
PS   Claim 11; Fig 236; 314pp; English.
XX
CC   The invention describes an isolated nucleic acid molecule comprising a
CC   sequence with at least 80% identity to: (a) a nucleotide encoding any of
CC   122 PRO (secreted and transmembrane) polypeptides whose sequences are
CC   fully defined in the specification; or (b) any of 122 nucleotide
CC   sequences having e.g. 4834, 2504 or 1759 bp fully defined in the
CC   specification; or the full length coding sequence of any these 122
CC   nucleotide sequences. The PRO polypeptides or polynucleotides are useful
CC   as pharmaceuticals, diagnostics, biosensors or bioreactors. These are
CC   particularly useful for detecting tumours (e.g. lung tumour, colon
CC   tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)
CC   in a mammal, for stimulating the release of TNF-alpha from human blood,
CC   for stimulating the proliferation or differentiation of chondrocyte
CC   cells, for stimulating proliferation of pericyte cells, or for modulating
CC   normal human dermal fibroblast proliferation. The PRO nucleic acid or
CC   polypeptide is also useful for treating tumours or various bone and/or
CC   cartilage disorders (e.g. sports injuries or arthritis), or wounds. The
CC   PRO polypeptides are useful in drug screening, particularly as targets
CC   for therapeutic intervention in these diseases, and in the diagnostic
CC   determination of the presence of these diseases. The PRO polypeptides are
CC   also useful as molecular weight markers, or for chromosome
CC   identification. The PRO genes are useful as hybridisation probes, or for
CC   screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
CC   also be used in gene therapy, particularly for replacing a defective
CC   gene. This is the amino acid sequence of a novel human secreted and
CC   transmembrane PRO polypeptide
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1677;  DB 6;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 6.8e-113;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
```

```
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 9
ABU82165
ID   ABU82165 standard; protein; 327 AA.
XX
AC   ABU82165;
XX
DT   25-JUN-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   Human; secreted and transmembrane protein; PRO; cardiant; cytostatic;
KW   antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic;
KW   gene therapy; cardiovascular disorder; endothelial disorder;
KW   angiogenic disorder; cardiac hypertrophy; trauma; cancer;
KW   age-related macular degeneration; atherosclerosis; hypertension;
KW   arterial restenosis; rheumatoid arthritis; angina; myocardial infarction;
KW   thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma;
KW   liver carcinoma; wound healing; chromosome mapping; gene mapping.
XX
OS   Homo sapiens.
XX
PN   US2003088063-A1.
XX
PD   08-MAY-2003.
XX
PF   12-AUG-2002; 2002US-00219003.
XX
PR   25-JUL-2000; 2000US-0220664P.
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-393229/37.
DR   N-PSDB; ACA68614.
XX
PT   One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT   useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT   infarction), endothelial or angiogenic disorders in a mammal.
XX
PS   Claim 11; Fig 236; 314pp; English.
XX
CC   The invention describes one hundred and eighty seven nucleic acids
CC   encoding novel human secreted and transmembrane (PRO) polypeptides. The
CC   PRO nucleic acids, polypeptides, agonists and antagonists are useful for
CC   treating or diagnosing a cardiovascular, endothelial or angiogenic
CC   disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-
CC   related macular degeneration, atherosclerosis, hypertension, arterial
CC   restenosis, rheumatoid arthritis, angina, myocardial infarctions,
CC   thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast
CC   carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids
CC   have applications in molecular biology, including use as hybridisation
CC   probes, and in chromosome and gene mapping. This is the amino acid
CC   sequence of a novel human secreted and transmembrane PRO polypeptide
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1677;  DB 6;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 6.8e-113;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 10
ABJ72345
ID   ABJ72345 standard; protein; 327 AA.
XX
AC   ABJ72345;
XX
DT   06-NOV-2003  (first entry)
XX
DE   Human PRO7154 protein.
XX
KW   PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte;
KW   differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
XX
OS   Homo sapiens.
XX
PN   US2003050448-A1.
XX
PD   13-MAR-2003.
XX
PF   28-AUG-2002; 2002US-00230414.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-521818/49.
DR   N-PSDB; ABT44343.
XX
PT   New nucleic acid encoding for a PRO protein, useful for the manufacture
PT   of a medicament for diagnosing or treating tumors or for measuring or
PT   detecting expression of an associated gene.
XX
PS   Claim 11; Fig 236; 315pp; English.
XX
CC   The invention relates to a novel isolated nucleic acid encoding a fully
CC   defined PRO polypeptide. The molecules of the invention may be useful for
```

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CC   stimulating proliferation or gene expression in pericyte cells or the
CC   release of TNF-alpha from human blood. Other possible uses include the
CC   stimulation or inhibition of chondrocyte proliferation or
CC   differentiation, the stimulation of human dermal fibroblast cell
CC   proliferation and the detection of the presence of a tumour within a
CC   mammal. Furthermore, the nucleic acid may be useful for the manufacture
CC   of a medicament for diagnosing or treating a tumour within a mammal or
CC   for measuring or detecting the expression of an associated gene, as well
CC   as during gene therapy. The current sequence is that of the human PRO
CC   protein of the invention
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1677;  DB 6;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 6.8e-113;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 11
ABJ72473
ID   ABJ72473 standard; protein; 327 AA.
XX
AC   ABJ72473;
XX
DT   06-NOV-2003  (first entry)
XX
DE   Human PRO7154 protein.
XX
KW   PRO; blood; proliferation; pericyte cell; TNF alpha; chondrocyte;
KW   tumour necrosis factor; proliferation; differentiation; gene therapy;
KW   dermal fibroblast.
XX
OS   Homo sapiens.
XX
PN   US2003027988-A1.
XX
PD   06-FEB-2003.
XX
PF   26-AUG-2002; 2002US-00227884.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-503301/47.
DR   N-PSDB; ABT44626.
XX
PT   New PRO protein encoding nucleic acid, useful for preparing PRO
PT   polypeptides and anti-PRO antibodies for detecting the presence of a
PT   tumor in a mammal.
XX
PS   Claim 11; Fig 236; 324pp; English.
XX
CC   The invention relates to a novel isolated PRO protein encoding nucleic
CC   acid. The nucleic acid of the invention may be useful for preparing PRO
CC   polypeptides and anti-PRO antibodies for detecting the presence of a
CC   tumour in a mammal. Furthermore, the molecules of the invention may be
CC   useful for stimulating proliferation or gene expression in pericyte
CC   cells, the release of tumour necrosis factor (TNF)-alpha from human
CC   blood, the proliferation or differentiation of chondrocyte cells and for
CC   inhibiting the proliferation of normal human dermal fibroblast cells.
CC   Finally, the molecules may be utilised during gene therapy. The current
CC   sequence is that of the human PRO protein of the invention
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1677;  DB 6;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 6.8e-113;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327


RESULT 12
ABO34368
ID   ABO34368 standard; protein; 327 AA.
XX
AC   ABO34368;
XX
DT   19-SEP-2003  (first entry)
XX
DE   Human secreted/transmembrane polypeptide PRO 7154.
XX
KW   Human; chondrocyte stimulation; TNF-alpha stimulation; gene therapy;
KW   human dermal fibroblast stimulation; tumour; tissue typing;
KW   affinity purification.
XX
OS   Homo sapiens.
XX
PN   US2003044934-A1.
XX
PD   06-MAR-2003.
XX
PF   28-AUG-2002; 2002US-00230338.
XX
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PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-492274/46.
DR N-PSDB; ACD82293.
XX
PT New transmembrane polypeptides and nucleic acids encoding the
PT polypeptides, useful in gene therapy, in chromosome identification, as
PT chromosome markers, or in generating probes.
XX
PS Claim 19; Fig 236; 315pp; English.
XX
CC The invention relates to an isolated nucleic acid encoding a PRO
CC polypeptide. Nucleic acids that encode PRO can be used to generate either
CC transgenic animals or knock-out animals useful in developing and
CC screening of therapeutically useful reagents. The nucleic acids may also
CC be used in gene therapy for replacing defective gene, in chromosome
CC identification, as chromosome markers, or in generating probes to isolate
CC full length PRO cDNA. The PRO polypeptides are useful for chondrocyte
CC stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation
CC and for detecting the presence of tumour in an mammal. The PRO
CC polypeptides are useful as molecular markers for protein electrophoresis
CC and the isolated nucleic acids may be used for recombinantly expressing
CC those markers. The PRO polypeptides and nucleic acids may also be used in
CC tissue typing. Anti-PRO antibodies are useful in diagnostic assays for
CC PRO and in affinity purification of PRO from recombinant cell culture or
CC natural sources. The present sequence represents the amino acid sequence
CC of a human secreted/transmembrane PRO polypeptide
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1677; DB 6; Length 327;
Best Local Similarity 99.7%; Pred. No. 6.8e-113;
Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
```

RESULT 13
ABJ72175
ID ABJ72175 standard; protein; 327 AA.
XX
AC ABJ72175;
XX
DT 16-OCT-2003 (first entry)
XX
DE Human membrane bound receptor/protein PRO7154 amino acid sequence.
XX
KW Human; PRO; membrane bound protein; membrane bound receptor;
KW cell proliferation; cell migration; cell differentiation;
KW mitogenic factor; survival factor; cytotoxic factor;
KW differentiation factor; neuropeptide; hormone; cell receptor;
KW receptor-ligand interaction; cytostatic; chondrocyte; tumour.
XX
OS Homo sapiens.
XX
PN US2003065147-A1.
XX
PD 03-APR-2003.
XX
PF 29-AUG-2002; 2002US-00232224.
XX
PR 28-JUL-1999; 99US-0146222P.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-522018/49.
DR N-PSDB; ABT43999.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for the manufacture of a medicament for diagnosing or treating
PT tumor.
XX
PS Claim 11; Fig 236; 315pp; English.
XX
CC This invention relates to one hundred and twenty two novel nucleic acids
CC encoding human PRO membrane bound proteins or receptors. Extracellular
CC proteins play important roles in the formation, differentiation and
CC maintenance of multicellular organisms. The fate of many individual cells
CC (for example proliferation, migration or differentiation) is typically
CC governed by information received from other cells and the immediate
CC environment. The information is often transmitted by secreted
CC polypeptides (for example mitogenic factors, survival factors, cytotoxic
CC factors, differentiation factors, neuropeptides and hormones) which are
CC received and interpreted by diverse cell receptors or membrane bound
CC proteins. These membrane bound proteins and receptors may be of use as
CC pharmaceutical and diagnostic agents, such as in the blocking of receptor
CC -ligand interactions. The current invention provides the amino acid
CC sequences of novel human membrane bound receptors and proteins, along
CC with the cDNA sequences encoding them. The novel proteins of the
CC invention may have cytostatic activities through the stimulation of
CC chondrocytes. The nucleic acids of the invention may be useful for the
CC manufacture of a medicament for diagnosing or treating a tumour in a
CC mammal. In addition, they may be useful for measuring or detecting the
CC expression of a tumour associated gene. The present sequence is the amino
CC acid sequence of a human PRO protein of the invention
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1677; DB 7; Length 327;
Best Local Similarity 99.7%; Pred. No. 6.8e-113;
Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123
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```
Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
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RESULT 14
ADB83726
ID   ADB83726 standard; protein; 327 AA.
XX
AC   ADB83726;
XX
DT   04-DEC-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   human; secreted and transmembrane protein; PRO; cytostatic; vulnerary;
KW   antiarthritic; pericyte cell proliferation;
KW   pericyte cell differentiation; chondrocyte cell proliferation;
KW   chondrocyte cell differentiation; tumour necrosis factor alpha release;
KW   (TNF)-alpha release; dermal fibroblast cell proliferation;
KW   dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;
KW   colon tumour; breast tumour; prostate tumour; rectal tumour;
KW   liver tumour; tissue typing; chromosome mapping; gene mapping;
KW   gene therapy.
XX
OS   Homo sapiens.
XX
PN   US2003073814-A1.
XX
PD   17-APR-2003.
XX
PF   12-AUG-2002; 2002US-00218849.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-644806/61.
DR   N-PSDB; ADB83725.
XX
PT   New PRO polypeptides and nucleic acids encoding the polypeptides, useful
PT   in gene therapy, chromosome identification, tissue typing, or as
PT   hybridization probes in chromosome and gene mapping.
XX
PS   Claim 11; Fig 236; 315pp; English.
XX
CC   The invention describes an isolated PRO (secreted and transmembrane)
CC   polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are
CC   useful for stimulating the proliferation of or gene expression in
CC   pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful
CC   for stimulating the proliferation or differentiation of chondrocyte
CC   cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide
CC   are useful for stimulating the release of tumour necrosis factor (TNF)-
CC   alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,
CC   PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,
CC   PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,
CC   PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412,
CC   PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,
CC   PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,
CC   PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,
CC   PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for
CC   stimulating the proliferation of normal human dermal fibroblasts cells.
CC   PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,
CC   PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for
CC   inhibiting the proliferation of normal human dermal fibroblast cells. PRO
CC   polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,
CC   are useful for detecting the presence of tumour in a mammal which
CC   involves comparing the level of expression of the above PRO polypeptides
CC   in a test sample of cells taken from the mammal, and a control sample of
CC   normal cells of the same cell type, where a higher level of expression of
CC   the PRO polypeptides in the test sample as compared to the control sample
CC   is indicative of the presence of tumour in the mammal. The tumour is lung
CC   tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or
CC   liver tumour. (I) is useful as molecular weight markers, for tissue
CC   typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is
CC   useful for chromosome and gene mapping or gene therapy. (II) is useful
CC   for generating transgenic animals or knock-out animals which are useful
CC   screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide
CC   is useful for treating bone and/or cartilage disorders (e.g., arthritis,
CC   sport injuries). This is the amino acid sequence of a human secreted and
CC   transmembrane PRO polypeptide.
XX
SQ   Sequence 327 AA;

  Query Match             99.5%;  Score 1677;  DB 7;  Length 327;
  Best Local Similarity   99.7%;  Pred. No. 6.8e-113;
  Matches  323;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
```

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RESULT 15
ADB80832
ID   ADB80832 standard; protein; 327 AA.
XX
AC   ADB80832;
XX
DT   04-DEC-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO7154.
XX
KW   Human; secreted and transmembrane protein; PRO; cytostatic; vulnerary;
KW   antiarthritic; pericyte cell proliferation;
KW   pericyte cell differentiation; chondrocyte cell proliferation;
KW   chondrocyte cell differentiation; tumour necrosis factor alpha release;
KW   (TNF)-alpha release; dermal fibroblast cell proliferation;
```

KW dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW liver tumour; tissue typing; chromosome mapping; gene mapping;
KW gene therapy.
XX
OS Homo sapiens.
XX
PN US2003088068-A1.
XX
PD 08-MAY-2003.
XX
PF 13-AUG-2002; 2002US-00219481.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-657982/62.
DR N-PSDB; ADB80831.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful in gene therapy, chromosome identification, tissue typing, or as
PT hybridization probes in chromosome and gene mapping.
XX
PS Claim 11; Fig 236; 305pp; English.
XX
CC The invention describes an isolated PRO (secreted and transmembrane)
CC polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are
CC useful for stimulating the proliferation of or gene expression in
CC pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful
CC for stimulating the proliferation or differentiation of chondrocyte
CC cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide
CC are useful for stimulating the release of tumour necrosis factor (TNF)-
CC alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214,
CC PRO247, PRO337, PRO526, PRO363, PRO531, PRO1083, PRO840, PRO1080,
CC PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,
CC PRO1025, PRO1181, PRO1126, PRO1186, PRO1192, PRO1244, PRO1274, PRO1412,
CC PRO1286, PRO1330, PRO1347, PRO1305, PRO1273, PRO1279, PRO1340, PRO1338,
CC PRO1343, PRO1376, PRO1387, PRO1409, PRO1474, PRO1917, PRO1760, PRO1567,
CC PRO1887, PRO1928, PRO4341, PRO1801, PRO4333, PRO3543, PRO3444, PRO4322,
CC PRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for
CC stimulating the proliferation of normal human dermal fibroblasts cells.
CC PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4302, PRO4408,
CC PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for
CC inhibiting the proliferation of normal human dermal fibroblast cells. PRO
CC polypeptides such as PRO6004, PRO4981, PRO7174, PRO5778, PRO4332, etc.,
CC are useful for detecting the presence of tumour in a mammal which
CC involves comparing the level of expression of the above PRO polypeptides
CC in a test sample of cells taken from the mammal, and a control sample of
CC normal cells of the same cell type, where a higher level of expression of
CC the PRO polypeptides in the test sample as compared to the control sample
CC is indicative of the presence of tumour in the mammal. The tumour is lung
CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or
CC liver tumour. (I) is useful as molecular weight markers, for tissue
CC typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is
CC useful for chromosome and gene mapping or gene therapy. (II) is useful
CC for generating transgenic animals or knock-out animals which are useful
CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide
CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,
CC sport injuries). This is the amino acid sequence of a human secreted and
CC transmembrane PRO polypeptide.
XX
SQ Sequence 327 AA;

Query Match 99.5%; Score 1677; DB 7; Length 327;
Best Local Similarity 99.7%; Pred. No. 6.8e-113;
Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

Qy         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123

Qy        121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183

Qy        181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db        184 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243

Qy        241 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303

Qy        301 KGFLERPSSASTVTTTKSKLPMVV 324
              ||||||||||||||||||||||||
Db        304 KGFLERPSSASTVTTTKSKLPMVV 327
```

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Job time : 99.8153 secs